

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



THE INDUSTRIOUS HEN

ONE YEAR 50c.—THREE YEARS \$1

AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FARM

TABLE OF CONTENTS

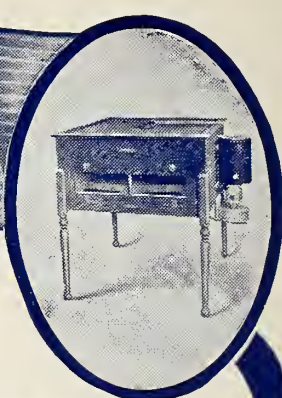
Getting Eggs—By the Editor	273
Chicks; How to Raise Them.—By J. O. Lewis.....	274
Poultry Work for February—By the Editor	276
Golden Sebright Bantams—Chas. Alley	276
Poultry Pleasantries—By J. R. Payne	277
Proper Mating of Pens—Plummer McCullough.....	277
Poultry House Construction—By W. W. Kulp	278
Why I Breed Black Minorcas—C. H. Ledferd.....	278
Pedigree Poultry Breeding—J. A. Dinwiddie.....	279
Breeding and Raising Rhode Island Reds	279
Editorials	280
Institutes for East Tennessee	281
Attend Short Poultry Course	281
Color Illustrations—By T. F. McGrew	282
The Poultry Business and Hired Help	283
Securing Fertile Eggs	283
Turkeys—By Mrs. J. C. Shofner	284
Care for Breeding Pigeons	286
Fractical Bee Culture—By Prof. G. M. Bentley	287
Selling and Buying Poultry by Mail	288
Goatskin Imports	289
The Collie as a Worker	290
Recent Show Winnings	298
Knoxville's Next Show, Dec. 9-12, 1908	301
Brief Mention	305

Published Oct 8

By Col Belt 1527 Q St

Sec. of Agriculture

THE INDUSTRIOUS HEN
COMPANY
Knoxville Tenn.



MODEL INCUBATORS HATCH CHICKENS THAT LIVE

Don't buy incubators in which the chicks must be "doctored" even while in the shell, when the Model will hatch for you chickens that live.

In the Model there is a perfect balance in the heat and ventilation—the life-giving elements.

Eggs that are to produce strong chicks must not be baked under a hot radiator, but need to be subjected to an even gentle warmth. A plentiful supply of natural air is a necessary factor; but not a steam bath, mixed with chemicals! Disinfectants are useful for scrubbing out mouldy egg-chambers and foul brooder floors, but their fumes are hardly life-giving. Get my circular on disinfectants, and my catalogue of incubators that hatch strong, full-lunged chicks, and brooders that keep them healthy. With the Model equipment you will meet with the splendid success enjoyed by all Model operators.

"Last year I raised 98 per cent of the chicks I hatched in the Model Incubator. This year I raised 97 per cent. These were just as healthy and vigorous as last year's chicks. This year I bought a machine of another make and I did not raise over 40 per cent of the chicks from it, and it was a losing proposition. The Model is the big-paying one.—DAVID FINNIE, Friesland, Minn., Oct. 21, 1907."

"As you must remember, we bought one incubator and five of your Model brooders, and they are grand. We think they could not be any better, as the incubator cannot be outdone, and the brooder raises all the chicks. I ran the ——— right beside it, and did not hatch near as many chicks, nor were they anywhere near as strong. I hatched in all in the Model about 800 White Leghorns and did not lose but ten of them.—MRS. A. DINGS, Elnora, N. Y., Oct. 22, 1907."

"Of the 100 White Wyandotte eggs set in the Model, 10 tested infertile and 88 hatched. The Model brooder raised every chick and they are now three months old and doing fine.—A. W. FRENCH, Hartford, Conn., Aug. 6, 1907."

All Model Incubators are fitted with that incomparable heat-controller, the Model Corrugated Leaf Compound Thermostat. A perfect heat control stimulates and holds the germ development constant and normal, as under a hen.

The Model Brooders, with their substantial cases, their diffusive heating system that imparts a gentle warmth, together with copious ventilation, raise strong, healthy chicks. Write for descriptive literature.

"I have four incubators running all the time, but like the Model the best, as I always get not only the most chicks from it, but the best. They are the strongest, and are the ones that live.—MRS. FRANK FRITZ, Carroll, Iowa, June 16, 1907."

"I am using two of your 1907 Model Incubators successfully, and two Model brooders, and am very much pleased with them—raised all the incubator chicks successfully, losing only two. Your machines are in full swing around this community and are well liked by all.—PETER HOUSEMAN, Warwick, N. Y., Nov. 11, 1907."

"I am sending you a second order for chick and hen feed. The incubator I bought last February has done good business and is still doing it. My chicks hatched with the Model and kept on Model Chick Food in the Model Brooder are two weeks ahead of any other chickens in this neighborhood and the loss so far is hardly 5 per cent. Will you please send the grain order as soon as possible, as I am nearly out.—F. J. SHEPARD, Northville, N. Y., May 22, 1907."



CHAS. A. CYPHERS, President,

Model Incubator Co., 332 Henry St.,

BUFFALO, N. Y.

PORTER-GEORGE POULTRY COMPANY, Agents.

KNOXVILLE

TENNESSEE.



A Hale Winner

BARRED PLYMOUTH ROCKS FOR SALE

To make room for hundreds of youngsters I am offering for sale all my breeding stock, consisting of seventy-five yearling hens and seven cock birds. This is your opportunity to get the very **CREAM OF THE SOUTH IN BARRED ROCKS** at less than half their value. Remember that HALE'S ROCKS have never failed to win first honors wherever exhibited. Look up my show record. The finest lot of birds I ever saw together, and they must all go, as I am compelled to make room.

Write me to-day for prices on these beauties.

C. P. HALE, Barred Rock Specialist, R. 1, Sweetwater, Tenn.

SCOTCH COLLIE DOGS OF MOST UP-TO-DATE BREEDING

WHY GAMBLE IN DOUBTFUL STOCK?

FOR THE VERY BEST OBTAINABLE IN

BARRED PLYMOUTH ROCKS, WHITE PLYMOUTH ROCKS, BUFF ORPINGTONS, LAKENVELDERS, SILVER LACED WYANDOTTES AND ANCONAS

Consult the **BLUE BLOOD POULTRY FARM**

P. O. Box 1, Charlotte, N. C.

Strictly High-Class Exhibition Stock a Specialty. At prices one-half asked by reputable Northern Breeders.

Jamestown, Oct. 20-30, '07.
6 Firsts, 6 Seconds, 4 Thirds, 3 Fourths and 1 Fifth. 20 Prizes on 44 entries, \$100.00 Silver Cup Prize.

Nashville, Jan. 6-11, '08.
Our record was 58 prizes on 81 entries: 12 Firsts, 11 Seconds, 10 Thirds, 12 Fourths, 7 Fifths, also 6 Specials.

Charlotte, Jan. 17-23, '08.
18 Firsts, 16 Seconds, 10 Thirds, 7 Fourths, 6 Fifths, 6 Sixths, besides 11 Specials and 3 Silver Cups, on six breeds. 94 entries.

THE INDUSTRIOUS HEN

An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 4

Knoxville, Tenn., February, 1908

(Whole No. 45) No. 9

GETTING EGGS

BY THE EDITOR

It is true beyond a doubt, that apart from the production and sale of birds for show purposes on a large scale, the most money to be made in poultry keeping is from the production of eggs. The pen returns are, of course, from the greatest layers, but the time of the season when the eggs are laid cuts a large figure in the cash results. One egg in winter is on the average worth three in late spring and summer. The great trouble with most flocks, is that the poor producers reduce the average of the whole so that the profits are cut and the good layers have to do the work for a lot of poor performers, in addition to their own. The remedy lies in a careful system of selection and breeding, till we have an above average flock of layers. One good hen is often worth as much as four or five others, and costs little more to feed. To get eggs then we must breed for them, feed for them. So few poultrymen keep complete records that, the best case in point, that we can find, is in the reports of the work in this line by Prof. Gowell at the Maine Experiment Station, which was started in 1898. Barred Plymouth Rocks were used. At the start the station flock averaged about 120, which was above the average. Trap nests were used, of a type which have been described and illustrated a number of times in poultry journals.

In breeding, females were used from mothers with an average of 160 eggs or over, and males from mothers with records of 200 or over. This has been done for six years, resulting in raising the average from 120 to 144 eggs for the whole flock. This for about 2,000. The fowls are housed in open front houses with 10-ounce duck, hinged fronts, which can be closed, a curtain is provided which can be dropped in front of roosts in cold weather. The feed is dry, part grain fed in litter, part dry mash. In breeding closely related birds are not used, as the Station does not believe in such a system. Each hen is allowed a floor space of four square feet. The house is 20x400 feet, divided into rooms 20-foot square, tight partitions being used. These are connected by doors which swing both ways. When cockerels are taken from the pullets for marketing, the pullets are put on grass range in portable houses and fed dry in V-shaped slatted troughs, the slats two-inches apart and supporting a roof over each trough. These roofs are movable, to fill troughs, which is done by lifting and sliding them along. In high winds some of the mash will blow out unless trough is put in a sheltered place. The trough is divided into compartments in which are kept, cracked corn, wheat, oats, a dry meal mixture, cracked bone, oyster shell and charcoal. The mixture is the same as used for laying hens. The troughs are located about the field, where the hens can get to them at will. During the last seven years the pullets have laid at from months and 10 days to 4 month and 20 days. This strikes as entirely too early as it will result in reducing the size

of the hens in the flock, more generally. When a pullet starts to laying very early in her life it almost invariably stops her growth. In these experiments no particular attention was paid to maintaining standard size and the illustrations of the greatest layers in this flock showed almost all under-sized hens. If the pullets mature too soon the supply of cracked corn is reduced. They grow on the other foods but do not come to lay so soon. The report also gives the cost of raising 2,000 pullets to laying age.

	CENTS.
28 lbs. of grain, meal and beef scraps	44.5
3-4 lb. of cracked bone	1.5
1-2 lb. of oyster shells25
2½ lbs. of mica grit	1.25
1-2 lb. of charcoal5
1½ pints oil (in hatching)	2.5
2 eggs	4.00

54.5 CENTS

The Station has tried wet and dry mashes and has found the dry the most satisfactory. It is made the same as the wet, minus the water.

Early in the morning is fed for each 100 hens 4 quarts of screened cracked corn in litter six or eight inches deep; at 10 o'clock 2 quarts wheat; 2 quarts oats fed the same way. The dry mixture is before them all the time in slatted trough on side wall. The mixture is:

Two hundred pounds wheat bran, 100 pounds corn meal, 100 pounds middlings, 100 pounds gluten meal, 100 pounds linseed meal, 100 pounds beef scraps, all thoroughly mixed. Oyster shell grit, cracked bone and charcoal always at hand, in slatted troughs. Pure water and mangolds (beets), fed whole on nails inside of pens. Five pounds of clover cut in inch lengths was fed dry, each day to each 100 hens. The Station experimented to see which was preferable, the mangolds or clover, the conclusion reached was that there was little difference. The average quality of feed consumed by each hen in a year was:

Grain and meal, mixture	90 lbs.
Oyster shell	4 lbs.
Dry cracked bone	2.4 lbs.
Grit	2 lbs.
Charcoal	2.4 lbs.
Clover	10 lbs.

Cost \$1.45, making eggs cost .1 cent each. 100 hens used a peck of mangolds a day.

Another experiment in producing more eggs was made in using the earliest maturing pullets; twenty-five of these pullets were set apart and trap-nested for a year. They made an average of 180 eggs, running from 137 to 239.

We see no reason why any poultryman who wishes to produce eggs successfully cannot follow the above plan. The main points in successfully producing a number of eggs, are breeding from good layers mated to sons of extra good layers, hatching early to get winter eggs, proper housing and feeding. Our readers will notice that grit, cracked bone, and oyster shell are before the fowls all the time and that green food is furnished every day.

CHICKS; HOW TO RAISE THEM.

WRITTEN FOR THE INDUSTRIOUS HEN BY J. O. LEWIS

UPON the successful raising of your hatch depends your success in the poultry business. There is no feature connected with the business more important. But successful raising is dependent upon several features; in fact, each depends largely upon the other, while they all work toward the one result, successful breeding. Now then, in order to make the business a success, we must refer to and treat largely upon the cause and effect, and be able to diagnose conditions, that we may perfect a clear understanding of at least the primary elements which form the foundation of our work.

So to begin, let us take up as our first lesson, the care and study of the parent stock. Without entering into a lengthy discussion, I will refer you to my article in the January issue of this paper, subject: "Feeding for Winter

and very vigorous, and not mated to more than 8 or 10 females. In mating, always mate cockerels to hens, cocks to either hens or pullets or both, but never cockerels and pullets, for neither are mature nor fully developed and results would not be satisfactory.

Now let us begin to save eggs. If the weather is very cold, be sure to remove them from the nests at least twice a day so as to avoid chilling; place them in a nice box or tray with soft cotton or fine straw in the bottom and place them in your bed or sitting room, where you have a fire, so that they cannot chill and turn them every day. Do not save up longer than ten days if you can help it and never longer than two weeks, where the greatest care has been exercised to keep them in good condition. If you hatch by hens and you have one or more that is broody and ready to set, see that the bottom of the nest is air tight—this can be done by simply placing a sheet of manila or other thick paper in the bottom, then covering this with a thick layer of fine straw, dust it well with some good lice powder and set your hen on two or three eggs to determine fully whether she has made up her mind to set, and if she has, then at night, take her off gently and place the eggs in and place her back upon the nest and gently stroke her, which will encourage her; then tack some slats in front of the opening, or else some wire netting, so that other hens will not lay too, nor be able to disturb her; and after the second day, remove her from the nest and feed and water her, and when she returns to the nest, close it up. Feed whole corn while setting and do not attempt to drive her back upon the nest, let her take her time, for the eggs need cooling and her way is Nature's way, hence always the best. Once a week during the period of incubation, dust her good with some good lice powder, for lice and other vermin breed very fast on setting hens, and the powder destroys these and makes her comfortable.

If you use incubators, be sure that your machine is well regulated, and to determine this, it is often necessary to run same for two or three days; establish and maintain your heat at a temperature of 102½ or 103° F. Don't be in a hurry; take your time. After the regulator has been properly adjusted and your machine is maintaining a regular temper-



S. C. Rhode Island Red, first cockerel, Madison Square Garden, Jamestown Exposition, Ft. Worth, Texas, and Tennessee State Fair, the undefeated champion of the year. Bred, owned and exhibited by Frank Langford, Nashville, Tenn.

Eggs," and therein note the strong emphasis placed upon the treatment, care and feeding of the laying or producing of parent stock—the vital point being the constitutionality of your layers. Weak and debilitated parent stock will produce weaklings in their progeny, which no amount of care and attention will remedy, therefore it is necessary to have the very highest state of health and hardiness in your breeders; well developed and matured stock, both male and female, the results of which can only be obtained by following the methods indicated in my former article as before mentioned.

Permit me to preface the following dissertation with the statement that I have always been successful in obtaining a high per cent of fertility in eggs and in successfully hatching and raising as large a number of chicks during the months of January, February and March, as during the month of April, May and June, and that it was entirely due to created or artificial environment for the parent stock. Now let us suppose or rather know, that our parent stock is in the pink of condition, properly mated and laying well. The male bird of good size and color, correct in shape, as near as possible,



Old Glory, S. C. Rhode Island Red, Great Cincinnati Show. Owned by Frank Langford, Nashville, Tenn.

ature and you are fully satisfied on this point, then place in your eggs, and after the second day remove the traps and turn all the eggs and change their position and reverse the ends, and if two trays, reverse ends and swap sides and do this every time you turn the eggs, which is only once a day, but necessary to take them out and cool twice a day, morning and evening. For the first day do not cool over five minutes each time, and add a minute every day, and longer if the weather is warmer, or until the eggs feel cool, and continue this until the nineteenth day, and then stop turning and cooling, and after the eggs begin to pip, then do not remove the tray until after the hatch is over, which ought to be in two days.

The serious problem in incubator hatches is the chicks that die in the shell; and even after being fully developed and the egg pipped they die in the shell before they can extricate themselves. I might here give you quite an exhaustive treatise on this subject alone, but space forbids. Suffice to say, that if your parent stock has been all right and the temperature maintained at the proper degree, that the fault is thru lack of moisture, which softens the membrane or egg lining, and makes the extrication easy; whereas, if moisture is lacking, the membrane becomes tough and hard and they are held prisoners to die in their little cells. You must add moisture toward the last days of incubation at least, and there are many ways to do this, but my way is to take a soft piece of cloth, say cheese cloth, and dip same in almost hot water and squeeze it nearly out; slide your tray out and place or spread the cloth out over the eggs and return the tray and close up the machine. And you can do this very often, up to the day of hatching, and I am quite sure that you will get better results, for my largest per cent. in hatches was obtained thru this method. Do not buy an incubator that cannot be run in a well ventilated room in the coldest of weather, and never attempt to run one in your bed room or any room where fire is kept. Run it in a room without fires, where fresh air is always found, for in fresh air is found the greatest amount of oxygen, which is the vitalizer, the blood builder and life giver, and in a heated room, this cannot be obtained.

After your hatch is thru, remove the chicks and place in either an indoor or outdoor brooder properly heated, say to 95° F. and maintain this the first day, then next day lower a degree or two, and every day lower a degree until you get down to—say from 80° to 85° F. Watch the little fellows, regulate their heat by the appearance they make, for if too warm they will pant or if too cold they will huddle and crowd together, and remember that either condition is dangerous, for both make them liable to take cold, which in turn produces bowel trouble and then you are apt to lose the best portion, if not all of your brood.

After placing them in their brooder, do not feed under twenty-four hours, and for their first feed, use about 50 per cent very fine chicken grit mixed with some one of the several prepared chick foods, which consists chiefly of finely rushed grains and seeds, and always add a little pinch of grit to each feed thereafter. For the first week, feed at least five times a day or every two or three hours, then the next week not over four times a day, and the next week and all time thereafter, not more than three times a day, but always at regular intervals. Also sprinkle a little finely crushed oyster shell and charcoal in with the feed, and after the first week feed some finely chopped cabbage lettuce and some finely chopped cooked beef. Feed plenty of the cooked beef, for it is the best feed in the world to put size on chickens, makes muscle and bone and they grow twice as fast as when fed without it. From the first day, place a shallow pan of water at their disposal and never let them be without. Watch your brooder and see that they are neither too hot nor too cold and that they may appear comfortable at all times. Feed in a little fine cut straw, so they will have to scratch their feed out; this induces exercise, which is very important for their development and growth. For my part, I prefer out-door brooders, because they can be run out on the ground, and the air is purer and then they have access to some sunshine. Chickens can stand a lot of cold, provided they have immediate access to warm quarters, where they can warm up quickly; besides, being used to running out toughens them and makes them hardier and gives greater opportunities for exercise. However, do not let them run out when it is raining.

Now then, lets go back to the hen. You should have prepared for her a nice, cool brooder with a floor in it and covered with dry earth and some straw. I take a dry-goods box, about two or three feet square, and saw the sides down about like a shed roof, then I cover this with boards and staves, so as to keep out water; then I take two strips and

nail a floor on these, just of the right size, so that when completed, it will fit up snugly within the inside of the box, for if the edges of this floor protrude on the outside, whenever it rains, the water would run right into the coop and make matters very bad, so have the bottom fit up inside the coop. Then in the front end, I saw a square hole, say 6 or 7 inches wide and ten inches long, so that the hen may go in and out at will. Now then, I take some wire mesh, one inch size and two feet wide and about eight feet long; then I take four strips three feet long, sharpen the ends, and to this I tack the netting, having a stake at each end and two in the middle, equal distance apart, and drive the two end pieces against the side of the front ends of the coop and make the yard around a semi-circle. I drive the stakes clear down in the ground to the netting, then I cover the top with some wire netting of light material in order to keep the hen confined, or else she would fly out. This little yard enables the hen to come out into the open, take exercise and teach her little ones to scratch, and keeps her from dragging them around when cold and in damp and out-of-way places, and affords the proper place for feeding.

When you first remove the hen and brood from the nest, grease the heads of the little ones with vaseline or pure lard, just on the top and around the comb, and do not grease the hen under her wings or on her breast, nor anywhere for that matter, as it is wholly unnecessary. Place them in their coop, feed the hen some whole corn and water, but do not feed the chicks until the next day, then begin and feed just the same as indicated for incubator chicks. After a week's confinement, push the box back a little from the stakes, so the little ones can get out; this will encourage them, gives them plenty of range, and keeping the hen confined enables the little ones to come in and be hovered when cold. After a couple of weeks, slide the coop far enough back to permit the hen to get out, but never let her out unless the day is bright and clear. About once every week or ten days give her a good dusting with lice powder, which will be ample for her and the chicks both; and again you will find this little enclosure, the proper place to always feed after turning them out, as it prevents the older ones from eating up their feed and tramping on them. Keep their brooding coop clean and turn the top back or the box up rather, for awhile every sunshiny day. Keep plenty of fresh water in clean vessels and make their surroundings the best you know how and you will be well repaid for your trouble.

After the chicks are weaned, allow them to continue to roost in their coop, until warm weather comes, then have some slat or wire netting coops four or five feet square and three or four feet high, with flat roost polls and place them in these and keep them up until they get used to their new quarters, and do not permit to roost in trees. The habit is hard to break, and besides there is danger from owls and hawks, etc., but when in these open wire or slat coops, all this danger is obviated, besides having a roof to protect them from the rains. I practiced the foregoing methods with my Barred Rocks, later with White Leghorns and now with my Rose Comb Black Minorcas, and I am quite sure it will apply to all other breeds.

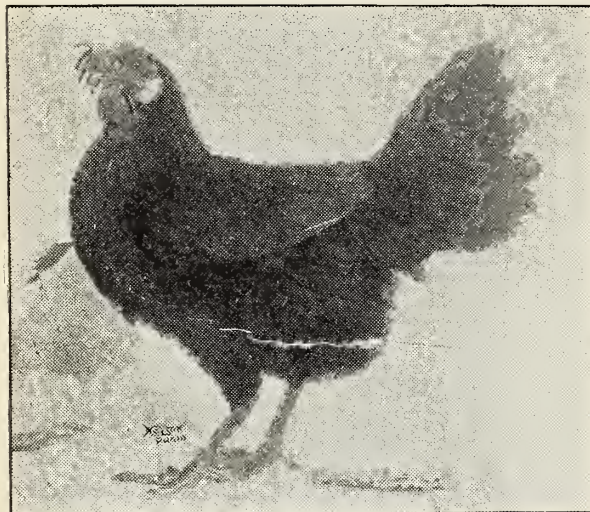


White Prince, scored 95 1-2 points at six months old. First prize at Cleveland, first tie at Knoxville, 1908. Bred, owned and exhibited by A. J. Lawson, the Blue Ribbon White Leghorn Man. Cleveland, Tenn.

POULTRY WORK FOR FEBRUARY

BY THE EDITOR

Our whole season's success may depend on the work accomplished this month and the next in the hatching line. We should make full use of the advantages for early hatching which our climate gives us. Start now. Remember you must figure twenty-one days ahead on each hatch, so that for March chicks, always the best, the eggs must be set almost entirely during February. If you have not done so, mate up your



S. C. Black Minorca hen, winner of five first prizes. Owned by C. H. Ledferd, 81-83 Whitehall St., Atlanta, Ga.

fowls now. Use this month, to each male, in Asiatics 8 females, in American and English 10, in Mediterraneans 12; next month add two to four females to each pen, feed some green cut bone or beef scraps, green stuff each day, plenty of clean, fresh water and the grain in litter. With this method you should insure plenty of fertile eggs. This promises to be an unusually good season for fertile eggs. We have seen the best of hatches already in December and January and so far this month. In our own experience, three hatches in January have shown 70 per cent. fertility with a 95 per cent. hatch. We believe that in giving us the earlier season, Nature intended that chicks should be hatched much earlier. One of the most successful breeders in Mississippi winds up his hatching operations by the 15th of April. On an average we should so manage as to take off last batch about middle of May. Those February and March hatched surplus cockerels are the ones that are going to sell for good prices as broilers. Are you using good oil, we mean extra good, so as to run no danger of a smoking lamp, for of all disheartening things, the smoked up incubator is the limit. Clean machines thoroughly before starting, boil all lamps and burners in water and lye, use new wicks, renew burlap back to felt, test your thermometers. A neighbor of ours ran two incubators a week before he found that the glass tube had gotten sealed in some way, so that the heat seemed never to rise the mercury high enough. Trim and fill your lamps every day without fail. You will find a special oil for incubators and brooders advertised in this paper. Gather your eggs several times a day and be sure they do not chill. The writer made an experiment in this matter lately, gathered some eggs several times a day and kept them at an even temperature; the others were gathered in the evening and the temperature not particularly looked after, the first lot hatched 95 per cent., the second lot 45 per cent. only.

We find that on most of the places we have visited that too many birds are kept in a limited space and that the most universal faults are lack of clean water, green food and cleaning up of the droppings. A subscriber had 32 hens on a small village lot, got few eggs. We induced him to reduce the number to 20 and he reports a big increase in the egg yield.

While you may not yet have any chicks out, you must prepare for them well before hand. Replace all colony and

brooder houses, clean out all brooders, lamps, etc. Get a supply of sand, gravel or dry dirt for use in the brooders, sand is undoubtedly best. Prepare and fence off the runs for the youngsters so the older chicks and the hens cannot bother the babies. Plant some oats and lettuce for green food; they can be planted in boxes, which the chicks will clean up. The best lot of youngsters we ever had were fed lettuce from a day old, four or five times a day. Now is the time to improve your stock, a fine choice of the best in all breeds is offered by our advertisers who are among the most reliable breeders, with reputation and stock second to none.

If you buy eggs, don't expect to hatch out all prize winners, and every egg. Our advertisers will give you a square deal, but you must not expect the earth. Our experience in business of every kind is that we usually get what we pay for. If a man gives you \$2 worth for \$1, he's a fool and won't be in business long; if he gives 50c worth for a dollar, he's a knave and can't last long. The man to deal with is the one who gives you your money's worth, full value. Speaking of hatches we should say that 8 chicks from 15 eggs is good return for the money. It will be a great help in getting eggs this month to keep the hens confined in scratch sheds on wet, windy and snowy days. This should be a good year for hens, it is Leap Year, watch for the 29th of February, when the hens, they say, will crow.

GOLDEN SEBRIGHT BANTAMS.

Written for The Industrious Hen.

Positively there is no breed of bantams to-day that has had so much attention among the bantam fanciers as the Golden Sebrights. There is no breed that approaches them in style and beauty. No fowls are better known, are more admired than the Golden Sebrights, who are now in their hundredth generation. The bird with the rich golden yellow with a narrow lacing shows to a great advantage, and at first sight, they attract the visitor's eye at the show.

Shape and form need looking after. Early hatched Sebrights usually grow too large, leggy and long backed. The best time for hatching them is from the first of May until the first of September. Small size and better shape can be produced by hatching during these months, but I have raised many good ones that were hatched in February and March. Sebrights are good layers, and when given large range will lay nearly all the year. You could not keep a more attractive bird around the house. Good specimens of deep golden yellow, with a narrow lacing, are always in great demand at good prices. I have bred them for five years and have never had any trouble to sell all I raise.—CHARLES ALLEY.



Rose Comb Black Minorca hen, first prize at Columbia City, Ind. Dec., 1907. Bred, owned, and exhibited by Lloyd C. Mishler, R. 2, N. Manchester, Ind.

POULTRY PLEASANTRIES

WRITTEN FOR THE INDUSTRIOUS HEN BY J. R. PAYNE.

SO much of the writing done for your readers, here in this midland country of hills and valleys and flowers is aimed at instructing the beginners in the poultry trade or helping the fanciers to win a prize at the poultry shows that I am inclined to break over all your rules and write a few pleasant things that will not bring trouble to anybody.

Allow me to say that I began helping to raise chickens, ducks, geese and turkeys more than fifty years ago, as they were herded, fed and watered on the Tennessee farm, and allowed to roost, lay eggs and set in the farmer's barn or stable loft. One of the first duties of the eldest son in the farmer's home was to feed the little chicks, if the mother hen would let him, and to catch a spring crower if the Methodist preacher or other distinguished visitor came to see the family. We boys were pretty swift on foot in summer and there was usually a friendly cur that was glad to help catch the coveted rooster, but even the boy and his dog failed at times when trees and weeds were safe hiding places for the frightened fryers.

There was not so much said about incubators and brooders and so many hens and pullets did not try to deposit their eggs in the same nest as in these modern chicken houses. The hens were always at liberty to get broody and turn incubator for two or three weeks while the others were filling their own nest with a view to increasing the stock of pure bred poultry for farmer Jones and his wife.

One of the questions that comes up now and then is, "How long did the old-time blue hen live to raise young chicks, fighting off the hawks and varmints that seemed to want her chicks before they were large enough for the preacher?" It does not occur to me that we used to think much about the ages of the poultry family when eggs at the store were only a few cents a dozen. In recent years, one little yellow hen, that was no doubt descended from a Buff Leghorn strain, was kept in line for her corn nearly 12 years and still lives. She has been a good mother and in her prime tried to hover over some 24 hustling youngsters who tried to get as close to her as possible. When a bright-eyed pullet her gentle ways caused her owner to set apart her eggs and chicks for the missionary and she was then named Missie.

Up to two years ago she never failed to lay eggs with

the earliest on the farm and she sometimes raised two broods during the season. Will be glad to hear if anyone has knowledge of the life of any hen exceeding the years of this missionary hen.

Another incident in poultry knowledge that has often awakened some interest with me is the means adopted at the right time, for getting a brood of young chicks out of a stable loft or other high place, where the hen keeps the eggs, at proper temperature for turning them into live chicks. Not long ago, one of the Buff Leghorns made her nest in a log stable loft and when she finished her laying about the first of September, she hid from all prowlers and 'possums until the day before hatching. The farmer's wife sent her hubby up the next day to bring the hen and all her eggs, for fear some one would steal them. He found her hatching and concluded to come back next day and take her off. Next day being Sunday he waited over to Monday, when on coming to the nest he found hen gone and only one or two eggs. A diligent hunt about the premises, which were those of a neighboring house unoccupied, failed to find any trace of hen or chickens. In a few days, some one passing heard chickens in the garden and the hen with eleven hustling babies was found hiding in the grass and none of them with broken necks and limbs.

They came down 7 or 8 feet to the hard ground and were not hurt. The same party went to take off a Buff Cochins hen with 12 youngsters at, as he thought, the proper time. The nest was in a box, on some laths, several feet from the ground, and to his surprise the box was turned over, hen and chicks were gone and were found some distance away in a cornfield all sound and safe. Perhaps this instance is common to birds, that build in trees and manage to get young ones to ground in safety.

The hatched chicks are not weaned readily as when the weather is warm. A brood hatched about October first were not weaned, if at all, until spring when they were fully grown.

Now that we are passing through the early laying season it is time the country house-keepers were fixing to have young chicks ready to fry at harvest. A firm in one of the cities advertises a \$4.00 incubator, that might be the very thing for farmers' girls, so they may learn the manner of using these useful inventions. These may not pay, like a more expensive one, but the small cost will suit many homes where others cannot be purchased.

PROPER MATING OF PENS

WRITTEN FOR THE INDUSTRIOUS HEN BY PLUMMER McCULLOUGH

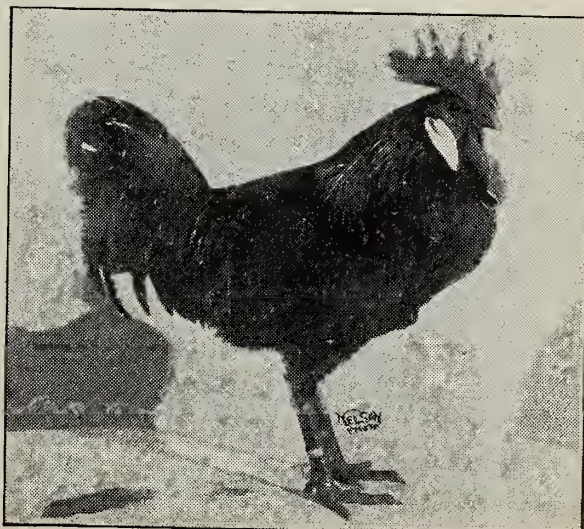
You think you will mate your pens, eh? That's all right as far as it goes, but can you mate four pens and have as good matings as if you picked out the "cream" of the four pens and mated only two? If you can mate four good pens of "quality" it's proper and right, but don't steal from one pen to strengthen another. I never could see where there was anything gained in this thing of "borrowing from Peter to pay Paul." There's nothing gained and much to be lost.

If you cannot mate four pens the way they should be mated, then mate only two and do it "right." Have your aim quality not quantity." The writer could easily mate twelve pens the coming season but don't expect to mate only about half that number. The writer was always a firm believer in mating pens right. It takes me sometimes several years to mate one of my pens. I have to think about it several years before I make the final decision. Then there is another thing that I want to speak of and that is this. If you are thinking of mating four pens have you plenty of room for that number? Have you time to give the four pens special care? If not don't mate so many. Whatever you do don't keep more fowls than you have room for or feed for more than you can properly care for. It's a loss of time and money. Two pens well cared for will return a hander profit than four pens half cared for.

If I could only impress on my readers to keep "quality" then I would feel it was worth my while to write this notice. But I'm going to drop the mating question as I expect to discuss the mating problem and "quality" thoroughly in my next article. Watch for it.

Don't be in too big a hurry about ordering eggs for hatch-
I would not advise anyone to buy one setting until at
st March 1, and if breeders would not ship eggs till after

April 1, I believe there would be far less complaints. It is easy to destroy the fertility in a setting of eggs and especially on a cold day as it takes little to chill them. This is why I don't believe in shipping eggs in February.



S. C. Black Minorca cock, "Black Giant," winner of seven firsts and several others. Owned by C. H. Ledford, Atlanta, Ga.

POULTRY HOUSE CONSTRUCTION

WRITTEN FOR THE INDUSTRIOUS HEN BY W. W. KULP.

POULTRY houses can be built with little money, or with very much more. The most of us have very little to waste, although at times we waste it because of lack of knowledge. We all try to save as much money as possible when erecting the buildings, but at times the saving is a failure. It has been so with me and I have seen others do the same.

I used on my first buildings Neponset, painting it well. It lasted fairly well, from four to six years by watching and patching and painting well. I used the first in 1884. In 1892 I built a building twelve by twenty-four. I covered it with Neponset. This winter I renewed half of it with amitite. This piece of Neponset was the best I ever used. I used a lot of it since that which was simply wasted, for in two years it would be full of holes. Sometimes the paint would crack and make them. No matter how I would paint it or what I would use, it would be the same. I am sure of one thing—the paper was not as heavy or as well made as the lot I put on the house in 1892. About six years ago I began using the roofing called rubberoid, paroid, etc. They are all of the same class. A flavor of rubber, but none in it. They are all good roofing. The first I put on a wagon shed and have done nothing to it since and it is good. It should have been painted or coated with something three years ago I suppose, according to the directions, but I intend to let it go and see how long it will be good. It seems to blister a little. It is only the upper layer of the roof that does the blistering but it may, in time, go through.

The other houses that have it on I am painting and sifting clean washed river sand on while the paint is wet. I have the paint put on a little heavier than I would if no sand were put on it. I like the looks of the roofs with the sand on and think it will wear for a long time, probably longer than I will want the houses, but that will be good, for they can be sold, and the better they are the more they will bring.

It is now a question which is the better, the rubberoid covered with sand or the amitite which is a gravel covered roof. There are many of both used, but I rather think, but am not sure, that the gravel roof is used by large firms the most. There may be but little difference on flat, or what we call flat roofs, but where the roof has one-third pitch and it is toward the sun it may run a little for you on a hot day. I would think of this in choosing.

Tin, I do not like for a roof as it requires so much painting and will rust through finally for you. This is one of the things we get from the cheap processes of making steel. The steel wire is very soft and will rust through in a few years.

I put a Page fence around the garden about seven or eight years ago and the lighter wires are off now, making the fence of no account as a poultry fence.

The woven wire is in the same condition. I do not use it in renewing, as much of it is so poorly galvanized that it will fall to pieces in a few years. I am using wire and cedar pickets woven in. I do not know yet how many years it will take for the wires to rust off, but I like such a fence better than any fence that must depend on posts for the span standing in the middle. The wire and pickets will be held up by the pickets if the fence is slack. Poultry fences are short and have many ends and turns and it is a large contract to have all the posts firm enough to keep the fence up tight. It is too much for me at least.

One thing that entered into my plans, as does in many plans, we do not know if we will want the building or not. When I put money into a building I charge it to expenses at once. If anything is ever gotten for them the sales will be so much gain in the business.

I have used inch pine boards on two buildings. One was on twenty years when the building was taken apart and removed. The roof was just about done too. I judge the life of a good pine roof is twenty years but the last five will not be as you wish a roof to be, it will leak. I find that a pine roof is best put on of boards unjointed.

I put a roof on a shed for chickens and used grooved boards and the joints took the water and rotted in seven years. If you let them open and strip the cracks the roof will keep in much better condition. The one that lasted twenty years was unplanned and was whitewashed several times. A roof will not last without some help in the way of paint or lime.

All who buy lumber know that it is getting to be quite an item. Considerable can be saved in working in lumber out of boxes. Some very good buildings can be made with box lumber and rubberoid or amatite. I use the cases that hats are shipped in for crates. The ends were always inch pine of a good quality until this year some are made of short pieces to save expense.

Especially the backs and sides of the open sheds can well be made of boxes. Spending money for houses for poultry is like sowing seeds, say, for illustration, wheat. We must sow nearly enough to pay or produce the best paying crop. It may be one and three-quarters bushels. If we would sow three bushels to the acre we would get less wheat and lose the extra grain. If we would sow six bushels we would get very little. So with spending money in the poultry business. Spend enough, but be careful not to spend too much. There is where good judgment comes into play. When you have the money, and there is not too much doubt whether it will pay or not, it is the rule of some to spend the money, for fear may be an extra good chance and it would be a big mistake to loose it. Consider well and ask advice.

WHY I BREED BLACK MINORCAS

WRITTEN FOR THE INDUSTRIOUS HEN BY C. H. LEDFERD.

I HAVE bred poultry nearly all my life, and have bred Black Minorcas about fifteen years. During this time have also bred about a dozen other of the most popular standard breeds, so have given them a thorough test and can say I like the Minorcas best of any breed and believe them to be the most profitable, if given proper care. They are worth far more for eggs than any other breed, for they lay the largest eggs (I have had perfectly formed eggs, not double yolks, weigh four ounces and can most any time select six that will weigh a pound). Eggs are beautifully shaped and pure white. In the great egg-laying contests of the world, Australia, Canada and the United States, as well as in the lists I have made personally, Minorcas have led in numbers, per hen as well as largest size. In weight of fowls, Minorcas have a big advantage over their small competitor, Leghorns, being about the same weight as Rocks.

As a table fowl, they are not surpassed. Their meat is of extra fine flavor, and juicy, and does not have that coarse texture that the flesh of some fowls have.

For beauty, they equal any. With their brilliant black

plumage, blood and combs, wattle and face, and snow white lobes, a flock of them are a beautiful sight, and no matter where they are kept, always look clean, aristocratic, and ready for the show room, which is a big advantage over white or partially colored breeds if kept in city or town. I find them as easy to raise as any breed. Young chicks feather out a remarkably short time, and will mature earlier than most breeds.

They are very active, and I find stand confinement much better than Plymouth Rocks or Asiatic breeds. Another thing I have found about Minorcas is that they continue to lay well when far beyond the age most poultry writers claim it is not profitable to keep hens. I have a few extra good hens eight years old that have continued to lay every year about as well as pullets or younger hens, and I shall keep them until they die, to see how long they will lay well.

Minorcas never set, so I keep some good Barred and White Plymouth Rocks, which I have found the next most satisfactory breed of all I have tried, but if, at any time I must keep but one breed, give me the S. C. Black Minorcas.

PEDIGREE POULTRY BREEDING

WRITTEN FOR THE INDUSTRIOUS HEN BY J. A. DINWIDDIE.

Is it practical and does it pay? No up-to-date breeder will in these days ignore pedigree breeding, in poultry, any more than he does in any other stock. Pedigree breeding would necessarily fail to be attractive, if it did not stand the test of practicability, from every point of view. If pedigree is of no value, did not bring increased profits with increased knowledge, in breeding other live stock why are large sums contributed for the maintenance of "clubs," "associations," "registers," etc. Is it cheaper to keep two cows than it is to keep three. And if one can buy two with a reasonable certainty that he will have as much butter, milk and cream, from them as he would get from three of inferior grade, economy would dictate selecting the former at much higher prices than the latter at much lower prices each. So it is with poultry, breeders are glad to pay more for birds (or their progeny) that have layed 175 or 200 eggs a year each than for birds whose work in the nest is unknown. They are glad to pay more for hens that have demonstrated by their progeny that they possess ability to reproduce or improve on themselves, than for birds whose only claims to merit are such as the eye can see in shape and feather. Will it pay the fancier to breed fowls of exhibition merit which are either the progeny of heavy laying stock, or have themselves made records as layers?

From my experience and that of others I can answer decidedly "yes." My ideal of perfection is to breed a race of

poultry which shall excel in the show room and in the egg basket—early maturity, a vigorous and robust constitution, and in every point of view, from which poultry has admirers.

Pedigree breeding means more work than flock breeding. Is there any business which does not call for more effort, more care, more attention, in order to keep up with the procession than it did a few years ago. Stock breeding, as well as other branches of agriculture of our great country, has gone and is going through a great series of changes. It is quite different from what it was fifty years ago.

Therefore we must adapt ourselves to the epoch of time. There is no form of animal life which responds so quickly to the skill of the breeder, as our domestic fowls. For this reason those who are breeding standard bred poultry should particularly use skill, care, and all records at their command, so as to make no false move. The influence of each bird's (both male and female) ancestors, is an important element. The careful breeder must know before making up his pens, just what his stock came from, what the brothers and sisters, uncles and aunts, and ancestors for generations were, and what they have done in the breeding pen as egg producers and as winners. How can these many aims be accomplished with certainty, without records of the parent stock and their ancestors at the breeder's disposal.

This is pedigree breeding.

BREEDING AND RAISING RHODE ISLAND REDS

"From the number of inquiries I am receiving daily, I judge that the country must be full of people who want to know about the Rhode Island Reds, and as I have had several years' experience in breeding this justly popular breed of fowls in large numbers, I may be able to give a few pointers that will be of interest to the new beginners, who are starting to breed this most popular fowl of the day. It is impossible to give any specified rule in mating

the male is half the breeding pen and you can never be too particular about having as good a male as it is possible to secure.

I have found it very unwise to breed from extremes in color as they are very liable to produce the mottled, mealy, chocolate necked birds that we used to see so many of in the early days of the breed. Experience teaches us that the females with the even color from head to tail and free from all mealiness and shafting, make the best breeders, although they are not as dark as the desirable show color. The above mentioned females are especially desirable if their undercolor is rich and they have the black trimmings in wings and tail that the darker ones are more liable to be weak in.

The real dark males, while they will occasionally throw an extra fine cockerel, are not desirable as breeders as too large a percentage of their chicks mature into specimens that are off color. The long bodied, wide legged, vigorous, gallant male with that rich, brilliant bay, harmonizing from head to tail, and with an undercolor as near like surface color as possible, is the bird that makes the best breeder in the majority of cases and his progeny will average as many prize winning specimens as many of the older and better established breeds. Personally, I prefer rich, brilliant, even colored red specimens of either sex, even if they have a slight trace of smut, to the light buff birds that are often represented as being Reds. Undercolor is out of sight and of secondary importance, while I think the future success of the breed demands that we breed from red as it is a color when bred to perfection that cannot be described and no color in the show room can compare with it."

The above is from an article by Dr. DeGraff in Reliable Poultry Journal, but what we wish to show in particular is the popularity of the R. I. Reds in this section and all through the South. The climate of East Tennessee seems to be very favorable for breeding a hardy variety of birds. The R. I. Reds seem to be coming to the front by leaps and bounds, and is to-day one of the most popular birds in the South.



Hoosier King, first prize Rose Comb Black Minorca cock at Indiana State Fair, 1907, also second prize cock at the Jamestown Exposition, Bred, owned, and exhibited by Lloyd C. Mishler, R. R. 2, North Manchester, Ind.

Reds as the ancestry of each specimen has much to do with the offspring, and the old saying that "like produces like" does not apply to a flock of Reds that have been bred from specimens whose line of breeding does not nick, although they may be prize winners on both sides. While I am always in favor of breeding from the finest specimens that nature can produce, still I am always particular to know the ancestry of each male and know from what mating he was sired, as

Country poultry raisers depend much on the egg market and for a time every plan for new birds must stand aside until the merchant begins to tell his customers that eggs are down. Market eggs and market chickens are not so profitable as eggs for hatching and chicks for stock, as sold by breeders with their fine houses and feeding; but a majority of those in the poultry trade sell eggs to the storeman and the chickens for shipment to the large cities.



DEVOTED TO EVERY INTEREST OF THE

Poultryman, Live Stock Breeder and Small Farmer

Entered at the Knoxville Postoffice as second-class matter.

S. B. NEWMAN **President.**
L. B. AUDIGIER **Vice-Pres. and Gen'l Mgr.**
J. T. OATES **Sec'y and Treas.**
T. L. BAYNE **Editor.**

B. W. Rhoads, Western Advertising Manager, Tribune Bldg., Chicago.
 Dunn Special Agency, No. 1 Madison Avenue, New York.

Subscriptions in the United States, Mexico, Cuba, or the Philippines
50c A YEAR, 3 YEARS FOR \$1.00

Foreign Subscriptions \$1 a Year. All Subscriptions in Advance

ADDRESS ALL CORRESPONDENCE TO
The Industrious Hen Co., Knoxville, Tenn.

Vol. 4

FEBRUARY, 1908

No. 9

THE INDUSTRIOUS HEN is issued promptly on the first of each month. It furnishes the latest and most authoritative information obtainable on all matters relating to the Poultry industry, Live Stock breeding and intensive farming. Contributions that are practical and pithy are solicited.

The Editor is not responsible and does not always endorse the opinions as expressed by his contributors.

Subscribers desiring a change in address will please give the old as well as the new postoffice.

ADVERTISING RATES

Furnished on application. The value of THE INDUSTRIOUS HEN as an advertising medium is unquestioned. The character of the advertisements now in its columns, and the number of them, tell the whole story. Circulation considered, it is the cheapest Poultry journal in the United States to advertise in. Advertisements, to insure insertion in the issue of any month, should reach this office

Not later than the 25th of the month preceding.

BREEDERS' CARDS—2½ cents a word each month for one, two or three months; 2 cents a word each month for four or more months. A 25 word card will be run six months for \$2.50, one year for \$4.50. A small cut illustrating a breeder of 25 words or more will be used for 50 cents additional. Numbers and initials count as words. Please count the words correctly and avoid delay. We keep no books with this department and cash must invariably accompany the order.

THE INDUSTRIOUS HEN reserves the right to reject any advertisement for cause.

SPECIAL NOTICE TO SUBSCRIBERS
Your Address

On the wrapper or cover indicates when your subscription expires. In order not to miss a number it should be renewed one month in advance. If, after your name appears the date "Apr. 7," it means that your subscription is paid to April, 1907, and unless renewed will be discontinued after that date.



If a large letter "X" is stamped in the panel at the left of this paragraph, it means that the time for which you paid your subscription has expired and, unless renewed before the next issue, will be discontinued; therefore, if you do not want to miss THE INDUSTRIOUS HEN, YOU SHOULD RENEW AT ONCE. Do not fail to send us either 50 cents to pay for your subscription for another year, or \$1.00 to pay for the paper for the next three years. Better send \$1.00 and have the best and most helpful and practical poultry journal found in the world coming to you regularly every month for the next three years.

SAMPLE COPIES

If you receive a sample copy of THE INDUSTRIOUS HEN you are invited to subscribe for it. You may never get another copy, and if you like it, mail us 50c for one year, or \$1 and have it come to you for three years. Thousands are doing this now and you will never regret it. In sending your subscription if you have a friend who would like to see a sample copy, send us their name and address, but send your own subscription RIGHT NOW. Do not put it off because you are busy, but DO IT NOW. Address THE INDUSTRIOUS HEN Co., Knoxville, Tenn.

AGENTS WANTED

We want an agent on every Rural Route in the country to solicit subscriptions for THE INDUSTRIOUS HEN. We have a liberal proposition to make and a hustler can make good money. We have solicitors who make as high as \$10.00 per day. Others make from \$3.00 to \$6.00. If you want to make some easy money, send for our proposition.

In a recent article one of our correspondents in writing of the experiments at the Agricultural Experiment Station, says that the egg record there should not be a criterion on account of the poor situation and size of the pens. He is correct about that. But

State**Recognition.**

It was in no way the fault of the Tennessee Agricultural Experiment Station. It seems a shame to have to expose the poverty of provision made (we should say not made) by the state for poultry culture. But it is unfortunately true that outside of a few premiums at the State Fair, the state of Tennessee, the greatest poultry and egg producing state in the South, has utterly neglected and failed to appropriate a cent to help the farmers and poultry raisers to garner the riches which a proper study and knowledge of the A, B, C, of the management of poultry would bring to them. We have no poultry census, no statistics, no accurate knowledge of what our poultry and eggs are worth each year, such as many of our sister states—Utah, Kansas and Missouri—have furnished to them by the state department of agriculture. If we had these figures it would be a revelation to our people of what a great industry is with us which we have never appreciated. The East Tennessee Poultry Association has made a move in the right direction and gotten some figures. A resolution calling on the commissioner of agriculture for figures has been passed.

The commissioner would be delighted to furnish the figures, but how is he going to get them; he has no money. As well feed a hungry man on sympathy instead of something more digestible. We must get the money from the state and the way to do it is for each county and local association to take the matter up with the members of the legislature from their section of the state. These associations should agree on a plan of campaign and form of bill to be passed and each could make a small or large contribution (as means allow) toward the expense of preparing a prayer bill and having some representative poultrymen at Nashville to appear before the legislature in behalf of the farmers and poultry raisers, to impress upon the legislature the necessity for an appropriation, and see that the bill is passed. We can not see how there can possibly be any opposition to an appropriation to further poultry education in connection with our State Experiment Station, to promote the improvement of stock through prizes at each county show and to give the farmer information and helpful hints along practical lines, through a poultry institute to be held at each county show, with a grand wind-up to show results at the State Fair. The bill should provide for a state association with a small membership fee, each county being required to have a certain number of paid up members, before the state will hold institutes or offer any prize at county shows. The prizes need not be large; what is wanted is state recognition. The state could give state poultry association diplomas to winners as is done in France at agricultural fairs.

We have not the figures, but from such information as we have been able to get in the last six months, we believe the value of poultry and eggs shipped out of the state of Tennessee in 1907 is somewhat near twenty million dollars (\$20,000,000.00). We know that the main supply of these products for the lower Southern states comes from Tennessee. That on the New York market Tennessee eggs are quoted separately at a higher price than Southern eggs, and that the greatest shipments of poultry and eggs from south of the Mason and Dixon line is from Tennessee. Business people away from here, large cities and other states, recognize the value of Tennessee eggs and poultry. In fact everybody but our own people—our own legislature. We hope to see the proper movement to remedy all this made in time for action by the next legislature.

The above state of affairs is not confined to Tennessee, but is true of almost all the Southern states and the same mode of action and remedy should apply. Nay, more, it is true that the industry is neglected in all the states of the union;

with a few notable exceptions. Alabama and North Carolina have done something notable; the first state has established district agricultural schools, supported, we understand, by the fertilizer tag tax which is all paid by the farmer..

* * * *

The Maine Experiment Station has been the pioneer in poultry culture experiments. We publish the results of their experiments in breeding and feeding for eggs; it will give valuable pointers to any breeder or poultryman. It rather upsets the common idea that the use of corn as an egg producer, for where they wish to prevent the pullets from laying too soon they cut down the corn part of the ration. This is interesting to this section of the country where corn is the easiest food to procure. Our readers must not, however, make the mistake of thinking that they will get many eggs on corn alone.

* * * *

The season just over, has been noted for the number of successful shows in the South, where, taking them all, large and small, the number was probably double that of a year ago. The class of birds shown were of a much better grade than ever before, the prizes offered were more numerous and valuable, but best of all the attendance of the general public was much the largest ever known.

All these signs besides the general market and business demand point to a great and prosperous season for the poultry industry. The demand for poultry and eggs seems to be unlimited, while the supply, especially of the choice article, is quite limited. We of the South, should be the early birds, to catch the choicest financial worms. It all depends on the birds, the worms are there already. Wake up birds. We predict the most successful season ever known for 1908.

* * * *

As we all know, advertising is such a large factor in business these days that it has become a regular science and profession. Experience has shown that the most essential feature of successful advertising is that it should be continuous. You will not do much business on a one time ad. or even two or three. You must keep in the eye of the public all the time. A curious fact is that if you keep saying a thing long enough, people are bound to believe it. If you stop even a short time, you will be forgotten and have to start all over again. A notable case in point is what happened to the bicycle business when it stopped advertising, it died out, and has never recovered again to anything like its former proportions. The following regarding the fate of Mammoth Cave is an example in point:

"Up to about 1870 the cave was well advertised. As the *Philistine* remarks, a visit to it was considered a sort of finishing touch to one's education, and a person who could not talk intelligently about it had no standing in polite society.

Records kept at the Mammoth Cave Hotel, from the time it was opened in 1837, show that while the place was being advertised in various ways the number of visitors was many times what it is now, when the publicity promoter knows it not. In 1844, for instance, when the population was less than twenty millions, instead of the eighty-odd millions of to-day, those who came to see the natural curiosity numbered on an average ninety-three a day. They traveled hundreds and thousands of miles—for many crossed the Atlantic to behold it. Sixty-one years later—in 1905—the average was less than a dozen a day.

The public simply has been permitted to forget that Kentucky's Mammoth Cave exists. The man who owned it died in 1869, and his thirteen heirs scattered all over the country, simply devoted themselves to spending the income that they derived from the \$2 a head admission fee. They thought the financial stream would keep on running without any expenditure on their part for advertising. They have been disappointed, of course.

As soon as the advertising was abandoned the people be-

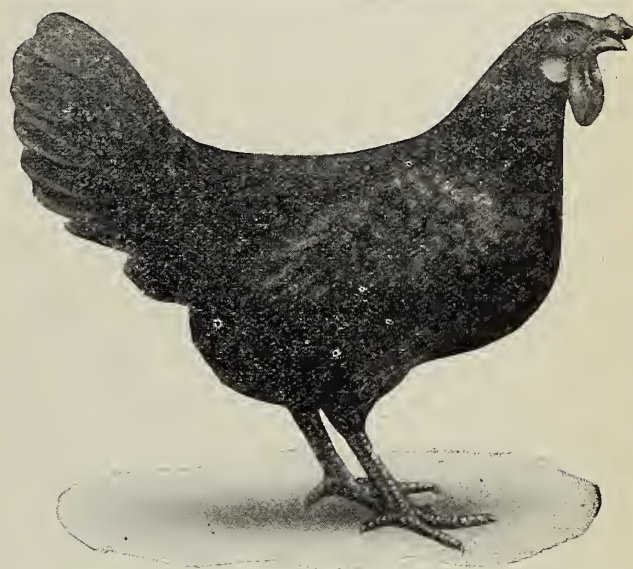
came indifferent about the cave, and finally it figured no longer as one of the great show places of the world.

In the language of the *Philistine*, caves are not necessary to human happiness until some man by astute advertising fills men and women with a desire to see them, and when the advertising ceases the desire ceases also.

Liberal advertising is essential to success. The story of the Mammoth Cave of Kentucky is only one of thousands that prove the truth of this.

And do not forget, also, that when there is a let-up in business the man who advertises his wares more than his competitor is going to get the orders and make money."

Breeders and poultrymen generally should take the above examples to heart and act accordingly. The poultry business is unique in that it is almost entirely a cash mail order business. The man who does the big business, the best business, is the man who is the largest and best advertiser. If you've got something good to sell, say so, say it loud, say it long, say it in print. Say, say it now, we say; say it to-day, tomorrow, forever.



S. C. Black Minorca Pullet. First prize Knoxville show, January, 1908. Score 96. Bred, owned and exhibited by Fred E. Carter, Knoxville, Tenn.

Institutes for East Tennessee.

The series of Farmers' Institutes for East Tennessee will begin under the direction of the State Department of Agriculture some time between February 25 and March 1. The date of beginning the round of meeting for East Tennessee has been somewhat delayed on account of the critical illness of Commissioner of Agriculture Thompson. He being still confined to his home, it has been decided to proceed with the institute work, which will be under the direction of Live Stock Commissioner W. H. Dunn, who will be the official representative of Col. Thompson.

The programme for the East Tennessee Institute has not yet been completed, but will be immediately, together with the list of participating speakers. Institutes will be held at some thirty county seats, including the capitals of all East Tennessee counties, except those in the Sequatchie Valley, where meetings have previously been held.—*Nashville Banner*

Attend Short Poultry Course.

We cannot refrain from again calling attention to the Farmers' Short Course in Poultry, offered by University of Tennessee, from Feb. 27 to March 11th. It's free. The instructors are competent, the course practical, the time seasonable. It could not possibly be better arranged. We hope our farmers and poultrymen will make free use of this chance; it's too good to let go by. It makes us blush for Tennessee when we read of the farmers out West, attending such courses to the number of 1,200. We refer to Iowa, the leading state of the country in poultry products, where the Farmers' Short Courses were attended by the above number. The leading states in production are the ones where the most brains have been put into the work.

COLOR ILLUSTRATIONS

Address Delivered by Mr. T. F. McGrew, of Washington, D. C., at the Niagara Falls Meeting, Relative to the Having of Color Illustrations in the Forthcoming Standard of Perfection

AT a time when so much information is gained as the result of attention to object-lesson study, both natural and artificial, it would be a case of neglected duty on the part of the American Poultry Association should it fail to illustrate its Standards more beautifully, more perfectly, and more instructively than has ever been done by it and by publishers of books of like character. These illustrations should be the best that can possibly be produced by artistic ability aided by the arts. The cost of same should not have too much consideration, nor should there be a foolish expenditure beyond actual value, and the selecting of these illustrations should be made for their merit only, not through sentiment.

Notwithstanding the fact that I am to argue the affirmative to the question: "Resolved, That the next edition of the American Standard of Perfection should contain color-plate illustrations of ideal fowls, male and female," I feel that it is due my hearers as well as myself that I say at this time that the ideal sketch is only the ideal of the hour, to be swept aside in a short space of time, as ideas change. We must not imagine that the hand of man can form with pen or brush an ideal sketch that will continue to please for all time. That which proves to be more than satisfactory today may only please tomorrow, and lose all its power within a year. For these reasons, it should be continually understood that Standard illustrations are to present only the meaning of the printed description, and that they are no part of the Standard law.

To lend the greatest aid to the advancement of standard-bred poultry, the written law should be the absolute rule to govern, and the illustrations the best possible guide-post to the selection of true worth. This being true, the more attractive these illustrations can be made, the greater amount of good will they do; the nearer they can be made to living perfection, the greater amount of good will they do. When portrayed in black and white they are simply finished outlines; when printed in natural colors, they become portraits. The truer they are to life, the less ideal do they become; the richer they may be ornamented, the more attractive do they become. Their greatest value is their power to illustrate the possibilities that are within sight for the true fancier who may be a beginner that has been barred the privilege of seeing the best that is shown.

One has only to compare the steel engraving with the original painting to realize the true value as an educator of the beautiful presentation in color. For these reasons we should not fail to grasp the possibilities that are within our reach to advance the best interests of all concerned through carrying to all the best possible presentations of beautiful poultry in colors. We should not be persuaded aside from this as before, through selfish motive and fear that some one breed or variety would be benefited, but should grasp the condition as an obligation due mankind; one that had been imposed upon us as a duty, one that must be performed if we hope to do our best toward the education of the world in poultry culture.

To do this successfully, we must have the work of such a character as to be above anything in its line yet attempted. Work like this (at this point the speaker displayed samples of most beautiful color printing) would be acceptable to all. Better than this can be produced if we are determined to have it. If, however, we accept the finished paintings that are not of the best, we can not hope to have better than they at any cost, and most certainly will have them of inferior quality if we select our printer from his bid alone.

No one can consider the having of color-plates in the next issue of the Standard in a careful, business-like manner without concluding that the proposition is a step forward in every direction. It will be the beginning of a series of lessons that will be stronger than were the illustrations made use of in the present issue. We should be cautious as to the number and the expense of same in the beginning, but we should step boldly forward and place within the covers of the greatest of all poultry books color illustrations of a character that will surprise the world.

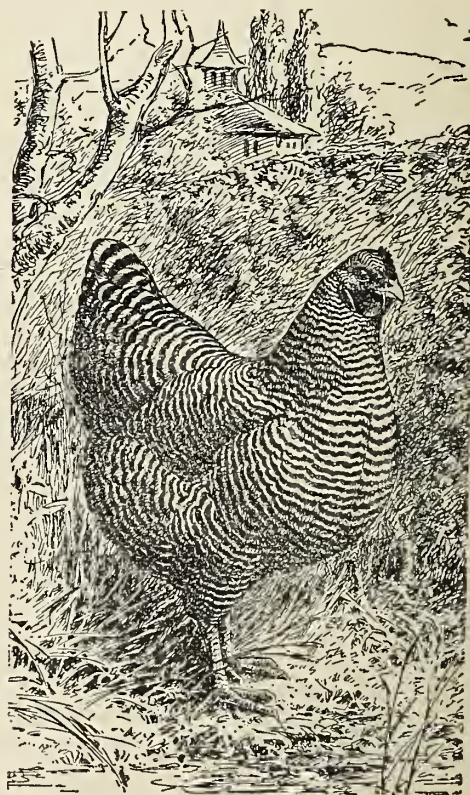
The color-prints that I have shown you here today illustrate what has been done in poultry in comparison to what has been done in other lines of commercial work. The beautiful presentation in colors of the wares offered by the most thrifty merchants in the world in comparison with the poultry illustrations that have been made should teach us a lesson in qual-

ity that will never be forgotten. Remember that we can have color-work done almost to perfection; remember that there is the ability to produce this, and if it is done in any other manner, it will be to a marked degree censurable upon this association.

When called to speak to the affirmative of this question, it seemed to me that there could not be any possible grounds for the other side that could be occupied even to so slight a degree as to call it standing-room. Well do I remember when the proposition of composite photography was ably argued by one of the members from Long Island. This question has been followed up, threshed out, tried in the first illustrated Standard and rejected, only to come again with such strength and vigor as to actually compel the association to adopt it, the result of which has been one of the most beautifully illustrated books ever given as a godsend to poultry culture. In thinking of this, shall we consider turning back, or even being satisfied with what we have accomplished? This does not seem possible to me as I look back over what has been done and stop to consider the possibilities of the future.

Now, gentlemen of the American Poultry Association, the time has come for the membership to lay aside their personal preferences as to the breeds or varieties to be portrayed. We must select a few of the most popular, a few of those which are fostered by the most successful; select the best from among those which are most popular throughout the land, have paintings made of these, and have them printed by the most expert and done in a quality that will prove to be a credit to the American Poultry Association.

Occasionally, we find a poultry keeper who prefers to feed the clover dry and such a one usually places it in racks of wire netting or slats somewhat like the appliance used in feeding sheep.



Ringlet Barred Plymouth Rocks. E. B. Thompson's strain Ringlets have won at Madison Square Garden, N. Y., a total of 101 prizes; 48 of these are firsts and special prizes. My stock are direct descendants from E. B. Thompson's prize winners. They are good winter layers. Eggs, cockerel or pullet mating, \$1.25 for 15. Bargains in yearling breeders. Garrette E. Bailey, R. F. D. 1, Box 64, Jonesboro, Tenn.

THE POULTRY BUSINESS AND HIRED HELP

Beginners in the poultry business are invariably concerned as to the number of fowls that they can keep on their premises and are very apt to overcrowd them. They figure that if they can keep a couple of dozen birds on so many feet of floor space that they can multiply that number according to the space that they have at their command and that by keeping so many head that they will be able to raise a certain number of chicks and grow them to broiler age. But, alas and alack! Many a man has started in to supply the markets of the metropolis with eggs and broilers only to find that after a few months the same markets are supplying him.

Some years ago we were asked as to the best variety or breed of fowls—that old, old question—for a beginner to take up. The party stated that he had a couple of hundred dollars and knew of a place that he could rent for a small sum, and that he proposed to go into “raising chickens.” Wanted to know our opinion of these “speckled fowls,” meaning Barred Plymouth Rocks, showing how well qualified the enquirer was to embark in a business that takes in most cases years of experience, abundance of hard work and a determination to override all obstacles in the way of failures and mistakes. We also learned that he did not propose to pay any fancy price for his original stock, but intended to drive around the country and pick up a few birds of any farmer that he found had birds to dispose of at market prices, and in this manner lay the foundation of a prosperous business, etc.

We advised him to take his couple of hundred dollars and interview those same farmers and purchase from them anything they had in the way of old stoves, water pipe, tools, etc., and start a hardware business. It was just as logical a proposition but the party took offense, and though he did not go into the poultry business—nor the hardware business, either, for that matter—“we never speak as we pass by.” But the advice was honestly given and we believe the party profited by accepting it.

The poultry business is not one that any one can embark in simply because they happen to have a “couple of hundred dollars” and wish to invest it so that it may be the means of a sure and certain return. If the party referred to above had decided that he would invest his money in the business of raising eggs and poultry the right thing to have done would have been to lay out, say, half of the amount in good stock of whatever breed or variety he should decide was the best, after giving the matter the same consideration that he would any other investment and then grow into the business. Grow into it, that’s the idea, and the sooner that the public is educated up to the fact that the gentle art of breeding poultry is not one that any one may jump into the better it will be for all concerned. It will be found that there is a very large amount of hard work, laborious work, connected with the successful operation of a poultry plant. A sack of wheat weighs about as much as an average sized man and is not a thing for invalids to juggle with.

The work of cleaning up yards and houses will be found no small portion of the work; while to the lover of fowls it is a pleasant task to attend to the wants of the birds, it is still a task.

The vast majority of successful poultry breeders are those who give their birds their special attention and do not leave them to the tender mercies of a hired man. It is true that it is possible to find hired help that will give the birds the right kind of attention, but only possible, and by no means easy. If one has enough means to operate a poultry plant and hire all the work done it is like the man who wanted a certain mill erected, and when he found that it would cost him some thirty or forty thousand dollars, exclaimed that if he had that amount of money “What on earth would I want with a mill?”

Take up any poultry paper and look over the reports of interviews with breeders and it will invariably be found that the party writing states that he found Mr. So-and-So among his birds and with his overalls on.

In other words the successful breeder of poultry is a lover of birds and does not trust their care and attention to other parties. True one’s business may grow so that hired help is necessary, and right here is where it will be found the truth of the statement written above that it is possible to get the right kind of help, but by no means easy.

When hens are laying regularly and for a long period, they are subjected to an unnatural strain because the production of a large number of eggs requires that the hen eat far

beyond the natural needs or demands of her body.

In order to produce eggs constantly the hen must eat not only enough to keep her body in good condition, but besides this, must take up and digest enough feed to supply all the materials out of which the eggs she produces are made.

In reality a hen is a machine for turning low priced feed into high priced eggs, and she must be furnished not only enough materials from which the eggs are made but also to keep the machine in perfect working order and repair. When your hens have free run of fields and vacant lots they come pretty near living on bugs, grubs, worms and green stuff and the cost of keeping them is thereby low. They eat an immense variety of things from which they take something needed for egg production or for growth. The tonic effect of green stuff keeps them in condition and they lay their full quota of eggs. But when your fowls are penned up or confined in a small yard they soon consume all the green feed within reach and they miss the variety of feeds and the resulting tonic effect.

The moral of all this is—feed plenty of green stuff—all the birds will eat. They can’t do well without it. That’s nature’s law; there is no way known to evade it, and the poultryman who tries to do so will have trouble following him around like a tame chicken.—*California Poultry Journal*.

SECURING FERTILE EGGS

OFFICIALS of the Department of Agriculture have been collecting data regarding the factors which effect the fertility of eggs, this question having been carefully studied at a number of the experiment stations in the United States and elsewhere.

Too warm quarters for laying stock and over-feeding are commonly believed to exercise an unfavorable influence on egg fertility as well as does a cold season. The way eggs are handled or stored is also believed to effect the proportion which will hatch, as well do also the conditions under which incubation occurs.

The vigor and character of the parent stock and the length of time the male bird has been with the flock are also important questions with respect to egg fertility. At the outset it should be pointed out that fertility and “hatchability” are not necessarily identical.

An egg may be fertile and still the germ does not have sufficient vitality to produce a healthy chick under the ordinary conditions of incubation. In a series of incubator experiments at the Rhode Island station, of 8,677 eggs tested, 83 per cent were found to be fertile, while only 46 per cent of the fertile eggs, or 38.6 per cent of the total number of eggs, hatched under the conditions of the tests.

The various observations made, while not entirely conclusive, indicate that, in order to secure fertile eggs, which will hatch, the laying stock must not be kept in very warm quarters or overfed; the males must be kept with the hens continuously and that only eggs should be used which are produced after the male has been with the hens several days.

Only fowls from very vigorous parent stock and those known to produce a high percentage of fertile eggs (hens vary widely in this respect) should be used; the hens should be allowed a rest after each laying period, while the eggs should be handled carefully, not subjected to extremes of temperature in storage and used only when comparatively fresh.—*Prairie Farmer*.

Nothing is more unsightly or better calculated to disgust the prospective purchaser than the appearance of a fowl exposed for sale with dirty legs and beak with blood adhering to the neck, and therefore it pays to take pains to put the bird into a condition which will attract and not repel customers. In those establishments where several pluckers work together, the usual plan is to have a special attendant for every dozen pluckers, who takes the fowls according as they are plucked and washes their legs and beaks in a basin of hot water. The next thing which is done is to singe the hairs off the body, and this is done at intervals when about a dozen fowls have been washed, by lighting some straw and holding the carcasses, one at a time, over the blaze for a few seconds.—*Inland Poultry Journal*.



TURKEY DEPARTMENT

CONDUCTED BY MRS. J. C. SHOFNER, MULBERRY, TENN., TO WHOM INQUIRIES SHOULD BE MADE. ALL QUESTIONS WILL BE ANSWERED IN THIS DEPARTMENT THROUGH THE INDUSTRIOUS HEN.

The Care of Bronze Turkeys.

The time is now at hand when all turkey breeders should make the necessary arrangements for the next turkey crop if we expect to be successful. I think it a good plan to pen our turkeys, as it saves much time and labor in looking after them.

I will give you my plan: I have two pens of one acre each, the larger the better. Make your pens on a sloping plot to give drainage, with shade and grass. Select eight or ten hens to one tom. Place them in pens early in the season in order that they may become accustomed to their new range before the laying season, and in order that they may take a liking to their new quarters.

Arrange some good roosting poles, so they can go up without any great effort. Watch them closely for the first few nights. Train them to roost where you desire them to.

Now arrange the coops for nests. Make a box 2 1/2 feet by 2 1/2 feet and about 2 1/2 feet tall in front, tapering to 20 in. to the back. Cover top with plank. This makes a roof to turn rain and protects the hen from the hot sun. Leave a door with a shutter so you can close or open as you desire. Make a little basin on the ground to prevent eggs from rolling out of nest. Place a little nice straw in nest and arrange some brush around and about the nest to suit their nature.

Now, when your hen goes to setting, clean out the old nest and put in fresh straw. Place the eggs in nicely, and when the hen goes to setting close the shutter to keep out other hens, to prevent her from breaking eggs. After the first few days leave door open if nothing bothers her. I also have in my pen a turkey house, floored, and make some nests in this house, but this house is mostly for the little birds to protect them from the rain-storms. I prefer to keep my little turkeys in the pen while very young, so I can see them at any time desired. When the little birds get strong enough to take the range, let them out after the dew dries off and train them to come home at night.

Now, the great advantage of the pen. When evening comes I take my basket and pencil, go to every nest, mark the eggs, from which pen, giving date, and, if a favorite hen, mark her eggs accordingly. By so doing I save my eggs from dogs, crows and varmints; and another good reason is, it prevents all scrubs mating with my turkeys.—*W. H. Carpenter in Nashville Banner.*

These are my plans for caring for my breeding stock exactly. I heartily commend these ideas to the readers of *INDUSTRIOUS HEN*.
MRS. J. C. SHOFNER.

Bourbon Red Turkeys.

I see you are asking about Bourbon Red turkeys, and as I have never seen anything about them in your paper, I wonder if I am the only reader of your paper who raises them. I have bred them for four years and think them the best turkey yet discovered. They are handsome as pictures and a flock of them will make people sit up and take notice. They are hardy and gentle.

My hens lay in the hen house early. This year I got 50 eggs in March. The eggs are very fertile and the baby turks the biggest, hardest little fellows you ever saw. I have had yearling hens lay 50 eggs in a season. They are good mothers, and, best of all, they stay at home. My flock of over sixty last year never went to our nearest neighbors, one-fourth mile up the road. I never had to go after them once. Out of 48 sold for breeders, I caught all but two in the daytime by giving them corn and simply picking up the ones wanted.

They don't look near so large as some other breeds, but are very broad and heavy. I sold young toms last November that weighed 18 pounds and pullets at 12 pounds. They are as easy to raise as chicks, and I don't see why more of them are not found over the country.—*Mrs. F. W. Sanford, in Commercial Poultry.*

"Bronze turkeys, for money and time invested, will pay better than any one thing we can think of. Our clear profit on turkeys is

more than that off of 200 acres of black land. We will keep turkeys on four farms this season, about 40 hens in each flock, headed with a prize winning tom. I shall try an incubator this season for hatching, but will have broody turkey hens to carry the turkeys as it would not do to put them in a brooder as one would chickens, for young turkeys need a good deal of exercise to keep them healthy and have them grow fine."—*Mickel, in Farm and Ranch.*

Your name and address classified in nearly sixty magazines, one whole year for \$1.00, and the Mansfield Real Estate Journal free. These magazines will reach in the year nearly twelve million people. Cupp's Advertising Bureau, Mansfield, Ohio.

It seems pretty hard and cruel to see the turkeys out in a storm, perched on the trees, but such is nature's roosting place, and experience indicates that close roosts such as hens need will interfere with a turkey's good health.

Mammoth Bronze Turkeys

B. P. R. CHICKENS BOTH OLD AND YOUNG

Stock for sale. Satisfaction guaranteed.
Winners whenever shown.

MRS. J. J. HOLMAN, Mulberry, Tenn.

Mammoth Bronze Turkeys From Prize Winning Strain.

Barred Rocks, Black Langshans, Partridge Wyandottes, Indian Runner Ducks. Stock and eggs at reasonable prices. Write your wants and I will fully describe my stock, and satisfaction guaranteed. Special price on Barred Rock cockerels.

T. J. CATE, R1, ATHENS, TENN.

BRONZE TURKEYS AND PARTRIDGE WYANDOTTES

WIN AT MADISON SQUARE GARDEN, NEW YORK, DEC. 1907

Competing with the leading reeders of Bronze Turkeys and Partridge Wyandottes at America's greatest show. The turkey class acknowledged to be the best ever shown and the Partridges exceptionally strong. We not only won more premiums in both classes than all others, but more firsts and specials than all competitors. Our winnings on Turkeys are first, second and fifth cocks; second and third hens; first, fourth and fifth cockerels; first, second and fourth pullets, and second pen. On P. Wyandottes we won first and fourth cocks; second and third hens; first cockerel; second pullet, and first pen. Also three specials for best colored male, best shaped female and best pen. The choicest stock always for sale. Write your wants We can please you. Catalogue giving entire winnings.

BIRD BROS. Box H. MEYERSDALE, PA.

MAMMOTH BRONZE TURKEYS

BRED FOR UTILITY. BRED TO WIN.

PRIZE WINNERS AT SOUTH'S GREATEST SHOWS.

At Nashville 1906, 1st Cockerel, 2nd Pullet. At Nashville 1907, 1st Cockerel, 2nd pullet. At Knoxville 1906, 1st Cockerel, 1st Pullet, 1st Tom, 1st Hen, and every Special.

BARRED PLYMOUTH ROCKS FROM PRIZE WINNING STRAINS
OLD AND YOUNG—STOCK OF BOTH FOR SALE.

ADDRESS MRS. W. J. LANDESS,
ROUTE 5. FAYETTEVILLE, TENN.

MAMMOTH BRONZE TURKEYS B. P. ROCK CHICKENS AND POLAND CHINA HOGS

"Goliath," at 19 months old, weighed 48 lbs., scored 97 1/2 points, won first prize at Nashville show, January, 1906; also two specials for largest fowl in show. I also won 4th hen and 4th pullet, score 95 points. At North Alabama show, December, 1905, I won 1st on yearling cock "Goliath," 2nd on yearling hen, special \$5.00 on pair, 1st on cockerel, 1st on pullet, special \$5.00 on young pair. Goliath heads my flock of breeding females, 1906, six of which are daughters of "Jumbo Jim," the 47 pound, 18 months old tom that won 2nd prize at World's Fair, St. Louis, 1904. I also have 1st and 2nd prize winning pullets at Columbia, Tenn., in my flock. I carry B. P. R. chickens of best prize winning blood—Bradley Bros. and Sid Conger strain direct. Young and old stock for sale. Patronage solicited and everything guaranteed as represented. For further information address

MRS. J. C. SHOFNER

R. F. D. No. 1, Mulberry, Tenn.

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE INDUSTRIOUS HEN

They take to the woods and like to roost high, and they don't like as much domestication as some other fowls will stand. An open shed with a roof to keep off the falling weather and enough enclosure on the side to stop the hurricane breeze of winter will be found house enough for a turkey in Michigan.

Leading Winners at Madison Square, New York, December, 1907.

At the recent Madison Square Garden, New York, Poultry show, Dec. 1907, Bird Bros., of Meyersdale, Pa., made a great record and established without a doubt their claim of "America's leading Bronze Turkeys and Partridge Wyandottes."

At New York, Jan. 1907, they were the leading winners in Bronze Turkeys and Partridge Wyandottes, winning as many premiums on Turkeys as all competitors, but at the recent show they beat all previous records in hottest competition.

In a class of Bronze Turkeys acknowledged to be the best ever seen in any show, the champions of the South, East and West competing, their birds won 1st, 2nd, and 5th cocks; 1st, 4th and 5th cockerels; 2nd and 3rd hens; 1st, 2nd and 4th pullets, and 2nd pen, taking three times as many first and second premiums in the open class as all competitors.

Their Partridge Wyandottes at the recent show made a record never before equaled at New York by any breeder of this variety.

They won 1st and 4th cocks, 1st cockerel; 2nd and 3rd hens; 2nd pullet and 1st pen, taking every first on males and more firsts and special premiums than all competitors. They also won special for best shaped female, best colored male and best pen. That their Partridges are "second to none" their winnings prove.

We think any breeder of Turkeys or Partridge Wyandottes desiring exhibition or breeding stock would do well to correspond with this firm. They still have some of their very best turkeys and Wyandottes.

THESE TELL THE STORY

We can do as much for you. Send in copy for your advertisement today that you may get a good position.

The Industrious Hen Co., Knoxville, Tenn.

DEAR SIR:—Enclosed find check for \$19.60 for account in full to date. Have just sold pen of birds for \$50.00 and another for \$75.00 which I give *The Industrious Hen* full credit and from present prospects think I will run short on eggs, as I sold my hens down to one hundred and fifty, and so far am just catching up on orders.

Respectfully,

JAS. M. BUTLER.

Murfreesboro, Tenn., Feb. 13th, 1908.

Got More Than She Paid For.

Editor Industrious Hen, Knoxville, Tenn.

DEAR SIR:—In renewing my subscription to the *Industrious Hen* and enclosing ad. for the coming season (both of which I enclose herewith), it is a real pleasure to say that I feel that I have always got more than I paid for, from your excellent paper, both as a reader and advertiser. My very modest ads. last season sold me more eggs and stock than I could deliver and repeat orders have been most gratifying. My customers have come from as far away as New Orleans, and while I feel that the repeat orders are naturally owing to the quality of what I delivered, it is certainly true that ninety per cent, of all my original orders came from ads. in your paper, though I also used several others.

Thanking you, I am

Respectfully yours,

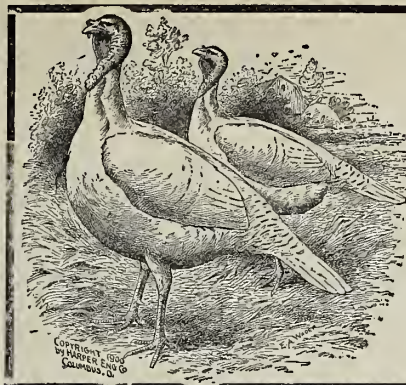
Mrs. Wm. R. Luke.

Nashville, Nov. 19th, 1907.

MAMMOTH BRONZE TURKEYS

WHITE PLYMOUTH ROCKS, PEKIN DUCKS
I won the blue on all these at Great Appalachian Fair. My turkeys are large in size and beautifully marked. Young tom weighed 32 pounds. I have the finest turkey range in Tennessee.

MRS. J. S. SUSONG, - Newport, Tenn.



OAKLAND TURKEY FARM

— BREEDERS OF —

White Holland Turkeys

EXCLUSIVELY

Won two firsts and two seconds out of five entries at Knoxville Great show, Jan. 8 to 11, 1908. Eggs 50c each. My turkeys are large, vigorous and healthy, and while I have many acres, they do not need much range.

A. S. BELL, R. D. 13. Knoxville, Tenn.

BARRED ROCKS, M. B. TURKEYS

RINGLET STRAIN.

Greatest Prize Winning Strains in America.

At four leading shows in hot competition my birds have won a grand total of 51 prizes; 34 of these being 1sts and specials.

Best exhibition mating 15 eggs, \$2.00. Careful selected matings 15, \$1.50; 30, \$2.50; 100, \$6.00. Pure bred range flock 30 eggs, \$1.00. M. B. Turkey eggs; exhibition matings, 11, \$3.50.

H. L. KENNON, R. R. 2, Dunnegan, Mo.

WALNUT GROVE POULTRY YARDS

LEBANON, TENNESSEE. R. F. D. No. 1.

BRONZE TURKEYS

Won 1st pullet, Knoxville; 2nd pen Nashville; 1st at Cleveland on cock; 1st, 2nd, and 3rd pullet, 2nd and 3rd hen, 3rd cock, 1st pen, 2nd cockerel at great Lebanon show. Lot of young turkeys for sale which we desire to close out at once. Eggs in season.

MAMMOUTH BRONZE TURKEYS

Eggs and Stock in Season.

The largest birds from the purest and hardiest strain of prize winners. My turkeys have a natural wild range and pastures all the time and their eggs are exceptionally fertile.

MRS. W. R. BRAKEBILL,

Route 3.

KNOXVILLE, TENNESSEE.



Collie Puppies

I have a nice lot of Real Collies. Imported Stock of Greatest Winning Blood. Prices Right.

Leghorn Cockerels out of Large Eggs. White Wyandottes and Barred Rocks.

Write for Catalog

W. W. KULP, Box 75, POTTSTOWN, PA.

S. C. WHITE LEGHORNS

R. C. BROWN LEGHORNS

S. C. BLACK MINORCAS

For quality Axley's strains are in a class of their own. With a record in 9 shows in the South. With a record of 253 eggs to back their laying qualities. A breeder 30 years. Hundreds have my stock for foundation blood. Stock and eggs.

FRED AXLEY,

Route 5.

SWEETWATER, TENN.

PINE HURST DAIRY, FRUIT AND POULTRY FARM

Fine Royal Blue Barred Plymouth Rocks, Line Bred for 10 years for Winter eggs, Standard size and color. Eggs \$1.50 per 15. \$6.00 per 100. Free Range. Fine Jersey Cattle. Write me. I have stamps.

D. W. DUNCAN, Prop. R. No. 5. CLEVELAND, TENN.



PIGEONS



Caring for Breeding Stock.

When it comes to caring for breeding stock, it does not matter whether the object is to raise squabs for market or fancy pigeons to show. The care and kind of feed which will make good fancy pigeons will also grow good squabs for market. Up to the time the squabs are ready to send to the market or begin working, as the case may be, the care of the parents need not differ in any way.

I am inclined to think that a good many beginners do not quite understand the necessity for furnishing water for bathing and water for drinking in different vessels. A good many times I have noticed big flat pans, such as would be just right for bathing, standing in lofts all day for pigeons to bathe in or drink out of, no special drinking vessels being provided.

This is a mistake. The bath-pans should be removed as soon as the birds have bathed, and the drinking water should be kept in a special drinking fountain where the birds can not get into the water and take a bath.

There is such a thing as being too cleanly. I have seen lofts where cleanliness was carried to an extreme. Cleaning the lofts disturbs the birds more or less, and every time they are worried or excited it interferes with their feeding. The floor of their loft should be covered with sand or gravel that will not become foul for at least three or four days. I am in favor of a thorough cleaning once a week. If the floor is covered with coarse sand this can be scraped up and renewed in a few minutes and prevent so disturbing the birds as to get them worked up to the point that they will forget feeding for two or three hours.

A squab is mostly appetite and needs feeding practically all the time during the day. One sometimes wonders how a bird so thoroughly stuffed every hour in the day can get along from dark till daylight without eating, but nature evidently takes care of this matter in the best way.

It does not matter for what purpose pigeons are bred, the only way to succeed is to keep the breeding stock in such condition that it will work regularly and feed the squabs properly. Unless this can be done, the young birds will be few and of poor quality.

Salt, oyster shells and charcoal are among the things that are neglected by the beginner. Pigeons require salt regularly. My plan of supplying it is to buy small bags of table salt, dip them in water and let them dry. This causes the salt to harden and after it is thus dried, I put the bag in the pen and allow the pigeons to peck at it and get what they need.

Oyster shell is prepared purposely for pigeons. This is necessary for the birds and should always be before them. It may be kept in feed hoppers or small boxes.

Charcoal should never be neglected in the pigeon loft. It is one of the best things for both pigeons and poultry that can be supplied to them. It has the quality of purifying the blood by keeping the stomach in good condition, and a box or hopper of charcoal rather finely crushed should always be kept in every pen.

Plenty of nests are necessary. There should be at least two for each pair of birds in the loft and there should be enough nesting material in the loft so the birds can build fresh nests. A bale of straw or a bundle of tobacco stems may be kept where the birds can get the material to build at any time.

Remember that sound, wholesome grain should always be fed. The most costly mistake a beginner can make is to try feeding cheap feed. A breeding pigeon is working at high pressure all the time and feed, like the fuel under a steam boiler, produces only in proportion to its quality. When the builders of a big ship want to give it a trial to determine what it can do, every lump of coal put in the bunkers is selected by hand picking in order to have only perfect fuel. So in feeding pigeons every ounce of feed should be the soundest and best. It is sometimes possible to save money on the cost of feed by purchasing second grade grain or even cheaper kinds, but what is saved here will be lost in the number of squabs brought to maturity and the weight of them, if they are raised for market.

A pair of pigeons can be kept a year for a dollar or a little more, and this pair will produce from six to nine pair of squabs, so

the cost of each squab is not so great that the breeder can not afford to supply his breeding stock with sound grain.

It is this attention to details that should be impressed on the pigeon breeder, and beginners need not expect the greatest success unless they are willing to observe such things and work along the most approved lines. It means work, but work means success.—Pigeons.

Squab Raising.

"The most successful squab raisers are those who have begun in a very small way, and increased their stock and equipment as the business grew. The work is not particularly exacting or arduous, and an extensive plant is unnecessary. Common pigeons should not be considered. Homers or Homer crosses probably are the best for the amateur. Pigeons always go in pairs, and if there is one extra male in the pen, he will constantly cause trouble by disturbing the mated pairs."—Suburban Life.

What is declared will be the most extensive squab farm in the Pacific Northwest is to be established at Valleyford, Wash., 17 miles south of Spokane, by the Northwestern Squab company. R. L. Thayer of Spokane, will be manager and chief owner. The buildings will be 150 feet long by 12 feet wide, and it is planned to have 15 such buildings when the farm is fully equipped. From 10,000 to 15,000 pairs of birds will be kept and as each pair produces seven or eight pairs of squabs a year, the output of the farm will run into large figures. In connection with the establishment there will be a duck farm, supporting from 500 to 1,000 ducks. Chickens will also be raised. Mr. Thayer has had considerable experience in the squab business, having operated a small squab farm in Manito Park and as soon as the farm at Valleyford is established he plans withdrawing from all other pursuits and devoting all his time to the growing of the birds.

R. C. Rhode Island Reds
EXCLUSIVELY

21 acres and all my time devoted to them. Won 21 Ribbons and Silver Cup last 2 shows. Eggs, Best Pens, \$2.00 per 15; \$5.00 per 50; \$8.00 per 100. Free Range, \$5.00 per 100. 75 big husky Cockerels at \$3.00 to \$5.00 each.

H. T. SHANNON

Box S.

Cary Station. Ill.

RHODE ISLAND REDS

As good as the best. Satisfaction guaranteed in stock, eggs or chicks.

Cloverdale Poultry Farm, - Reading, Mich.

POULTRY
AND
PIGEON
SUPPLIES

for every need. Incubators, Brooders, Foods, Remedies, Fixtures and appliances of many kinds in our large and complete stock. Our old, Standard

KEYSTONE FOODS

for Poultry, Pigeons and Chicks are more popular than ever. If you don't use them you are losing part of the profit that should be yours. Get our prices. We can save you money. Book-let and useful Souvenir free. Write

Taylor Bros., Dept. E, Camden, N. J.

FREE THIS PRACTICAL
SQUAB BOOK

This 36 page book, nicely illustrated, contains valuable information never before made known to the public. If you have been unsuccessful in breeding squabs, get this book and start the year right. You cannot fail if you follow the instructions as given in "OUR SQUAB MANUAL." Sent to any address upon receipt of 10 cts. in postage, to cover cost of mailing. Melrose Squab Co., 24 Harwood Place, Dept. I. H., Buffalo, N. Y.

World Famed Nationals

Eggs at half price now from the best blood in America. Winners at the largest shows on the continent. B. P. Rocks, White Wyandottes and Bronze Turkeys. Write for free 8 page circular.

S. B. JOHNSTON

Expert Judge, Route 4, FAIRLAND, IND.

JUMBO SQUAB BREEDERS

are largest and fastest breeders. Every pair guaranteed mated and banded. Money makers everywhere. If you wish to be successful, start with our "Jumbo Homers." Send 4 cts. in stamps for our large ILLUSTRATED BOOK, "HOW TO MAKE MONEY WITH SQUABS." Address, PROVIDENCE SQUAB COMPANY, 772F, Hope St., Providence, R. I.

ANOTHER VICTORY

FOR

MILES' UTOPIA BARRED PLYMOUTH ROCKS
S. C. RHODE ISLAND REDS

At the great Ohio State Fair, September, 1907, one of the largest fall shows in the United States, in one of the largest and best classes of B. P. Rocks and R. I. Reds ever shown, we won four firsts and four seconds, defeating some of the oldest and largest breeders in U. S.

Our winning at Nashville, Tenn., January, 1907; Indianapolis, Ind., February, 1907, is a matter of history, and separate and alone is proof conclusive of their superior quality.

Our winning of the American Cup on B. P. Rocks, at the National Show, Cincinnati, January, 1906—the third time in four years—is a victory unequalled.

A prominent R. I. Red breeder of the South visited my farm the last of August, he having come from the East, where he had visited the yards of some of the most prominent Red breeders of the East; he stated I had the "reddest red birds" he had seen, and he left a fine order for November 1st shipment.

We have the quality and the stock to select from. We can and will please you. Write me at once. We guarantee satisfaction.

MILES POULTRY FARM

OSCAR E. MILES, Owner.

CAPITAL TRUST BUILDING.

(Please mention this publication.)

COLUMBUS, OHIO.

HIGH GRADE BUFF WYANDOTTE COCKERELS

and pullets now ready. Good shape, splendid color, tails and wings near perfection. A few good hens for breeding and showing. My 1907 matings "picked" to perfection. Shall I share my success with you? "Hints for getting good Buifs" for the asking.

DR. N. W. SANBORN, Box H, BELLINGHAM, MASSACHUSETTS

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE INDUSTRIOUS HEN

THE HONEY BEE

This department is edited by Mr. G. M. Bentley, University of Tennessee, Knoxville, who will answer questions referred to him. Persons desiring reply by mail must enclose 2c stamp.

BEE PUBLICATIONS.

THE INDUSTRIOUS HEN will be sent with the following:

PRICE FOR	OUR PRICE
THE TWO	FOR BOTH
\$1.50 Gleanings in Bee Culture, SM.....	\$1.00
1.00 The American Bee Keeper, SM.....	.75

NOTICE.

Those interested in bees may feel free to write to the editor of this Department and ask any questions they wish. In replying only initials will be published.

Practical Bee Culture.

It is easy to handle bees when you once know how. Undoubtedly a beekeeper often gets stung; it is useless to deny it. It is scarcely consoling to tell a novice that in time he will grow used to being stung; but after a time a beekeeper really does become inoculated, after which, although the momentary pain may be sharp, there are no disagreeable after effects, such as swelling, etc.

I myself thought very seriously of having to give up the pursuit after one or two years' experience. One day in handling a colony of bees, I became somewhat careless in the manipulation, and irritated the bees to the extent that they rushed out of the hive and stung me desperately. I carried about a swollen arm for over a week; but it wore away, and I was troubled no more with bad effects. I now consider bee stings in moderation good and stimulative, for the bees certainly do insert some of their snap and energy into their keeper.

Of course, when handling bees, I wear a veil over my face and have veils always ready for visitors to my apiary; but I never protect my hands with gloves, except when I go to my out-apiary, which consists of nearly all black and hybrid bees, some of which are in a house, and are sometimes unusually cross.

But examining the hives and removing the frames would not be so simple a matter were it not for another implement of the beekeeper's trade, namely the smoker. The apiarist would have a distinctly bad quarter of an hour at the hands, or, rather, at the stings of his bees, if before beginning his pilferings he did not send a preliminary puff of smoke from his bellows into the hive.

This alarms the bees and causes them to fill themselves full of honey, for the bee is such a miser that her instinct for saving her horde is stronger than even that of self-preservation.

It has been found that when bees are full of honey they do not use their stings so freely as at other times; so the beekeeper can, with perfect security, lift out the

ONLY THE BEST

BROWN LEGHORNS

Males with best stripe in hackle and saddle; females with penciling and color that wins. 50 First Prizes won. Eggs from these winners reasonable. Circular showing Chicago, Boston, Madison Sq. Garden winners, free.

W.H. WIEBKE, Box 348, Ft. Wayne, Ind.

frame from which they are hanging in great clusters, brush them into the hive and make off with the honey.

When manipulating hives of bees, the proper position of the operators is at the rear of the hive. All the operations are easily performed at this point without hindering the bees. F. G. H.

Robber Bees.

The robbing of hives by foreign bees is sometimes a very serious matter. If a little careful attention is paid at the right time it may be entirely avoided. Exposure of combs is the principal cause of this trouble. It tempts the hungry bee when flowers are scarce, to make an attack on the weaker colonies. If the bee is hungry he is tempted to steal just as a person is. If the robbers have gained access to the hive before being detected, the opening should be narrowed at once. It is advisable to make it only large enough for one bee to enter at a time. Some keepers even throw a handful of grass over this small opening so that the intruder will have trouble getting through. The bee belonging to the hive will soon learn the way through.

Corrected.

It was on a street car in the city of Washington. Two colored women in cheaply gorgeous splendor were talking and one chanced to mention a Mr. "Jinks" in her conversation. "Excuse me," said the other woman, "but his name is not 'Jinks.' It is Mr. Jenks." "Oh, I sees," said the other woman complaisantly. "I sees that you puts de access on de pronoun."—J. L. Harbour.

Explained.

Andrew Carnegie tells of an old Scotch lady who had no great liking for modern church music. One day she was expressing her dislike of the singing of an anthem in her own church, when a friend said:

"Why, that anthem is a very ancient one. David sang it to Saul."

"Weel, weel!" said the old woman. "I noo for the first time understand why Saul threw his javelin at David when the lad sang for him."—October Lippincott's.



S. C. R. I. REDS AND R. C. W. LEGHORNS.

If looking for the finest, write for my free folder. At the recent show at Knoxville, Tenn., my Reds won 2nd and 3rd cl; 3rd pul. (tie); 2nd pen, and of the four badges offered by the R. I. Red Club of America, I won three—best shaped male, best shaped female and best colored female.

At the Virginia-Tennessee Show held at Bristol, my Reds won 1st and 4th cl; 2nd and 4th pul; 1st pen and three of the club badges—best colored male; best colored female; and best shaped female.

My Leghorns always win about everything in sight.

Of the three silver cups offered by THE INDUSTRIOUS HEN CO., at the recent Knoxville show my birds won two:—the Leghorns winning best display in Mediterranean class, and Reds and Leghorns combined winning best general display.

Eggs \$2.00 per 15.

SAM M. COOPER, Box H, Fountain City, Tenn.



STRAWBERRY PLANTS

Strawberry, Dewberry, Blackberry, Raspberry, and Fruit Trees. First-class stock, true to name. Ready to Ship NOW. I ship safely to all parts of the country. Write

JOHN LIGHTFOOT, R. F. D. Dept. 11, East Chattanooga, Tenn.



E. E. CARTER WON

FIRST COCK FIRST PULLET FIRST HEN (TIE)

4th Cock; 2nd Cockerel, (tie) 3rd Pen at Knoxville Jan. 8-11, 1908.

Club Ribbons for Best COCK, HEN AND PULLET.

Also best Striped Male in a class of 40 birds. \$25.00 Silver Cup offered by American Single Comb Brown Leghorn Club for greatest number of points and \$25.00 Silver Cup offered by East Tennessee Poultry Association for best

COCK, HEN, COCKEREL AND PULLET.

Special for best Colored Pullet of good standard size and shape, 66 birds competing. Compare this record with other breeders before placing your orders for

STOCK AND EGGS

FREE Circular on MATINGS and WINNINGS

EGGS AT \$4 FOR 15.

E. E. CARTER KNOXVILLE, TENN.

Member American S. C. Brown Leghorn Club.

THE DAIRY

Edited by James N. Price, B. S. A., Instructor in Dairy Husbandry at the University of Tennessee

An invitation is extended to our readers to contribute their experience to this department. Inquiries answered.

Learn to Produce Clean Milk.

The Dairy Division, U. S. Dept. of Agriculture is trying to have the pure food law extended to cover the care of the cows, the barn, and dairy buildings and utensils. This is a very important step in improving the milk supply and protecting the consumer against impure milk. Let us all hope that such a law will soon be in force. It will mean that many dairymen will have to improve their ways, or pay a heavy fine or repent of their sins behind prison bars. But such men are better out of the dairy business if they cannot be induced to improve their methods.

Now is the time to learn how to produce clean milk. Don't wait until the law is passed and the inspector catches you with your cows plastered with manure and your barn in worse condition and puts you out of business for careless methods.

Selling and Buying Standard Bred Poultry by Mail.

We hope that we may be pardoned for the digression from our regular subject, but just now more standard bred poultry is bought and sold on mail orders than at any other time of year, and a talk on this subject may not be out of place.

There is always something fascinating about the mail order business. Whether you order a trio of high priced fancy turkeys from some noted breeder, or a small parcel of dry goods from Sears, Roebuck & Co., the same expectancy, pleasure or disappointment, is experienced. Considering the vast volume of trade in standard bred poultry it is surprising that such a small amount of dissatisfaction is expressed on receipt of birds purchased.

Doubtless not a few instances, where the buyer has just cause of complaint against the seller may be cited, but they are so few in comparison with the volume of trade annually transacted through the mails, that they may be termed exceptional. And this fact alone constitutes a most impressive tribute to the integrity of our breeders of standard bred poultry.

Like all other great questions the standard bred poultry business has two sides. And a clear understanding of both sides will reduce complaint, inspire confidence, and promote yet greater exchange.

It is a simple proposition to sell to those who are looking for the kind of stock you have to sell.

It is indeed an art to sell to people who do not want especially to buy. The first essential is keeping a good quality of stock. The second essential to a successful salesman is a reputation for honesty. The poultryman who will make good his representations will quickly acquire a priceless reputation. The breeder should have a broad knowledge and understanding of the quality and estimate of his stock as relative to that of other breeders, and then be accurate in his description. More birds are over-described than under-described, and herein lies the greatest trouble in buying "sight unseen." It is a good rule to send out better birds than described, for a satisfied customer can not be bought with money, but is cheaply bought with fair dealings and is the best advertisement a breeder can have. The greatest trouble is, the seller sees all the good points, while the buyer is looking for all

the bad ones. This might be remedied somewhat for the seller to imagine he was in the buyer's place and vice versa.

We now come to the buyer's side of the problem. Many buyers do not know what constitutes standard bred poultry. They are not posted on the requirements, consequently have not the least idea of the cost of such birds. Coming nearest these requirements, such people generally insist on a \$5.00 bird being bought for \$1.00. In this case the seller can not be too careful to tell him just what he has to sell and warn him that such a bird can not be bought for the price he offers.

The buyer should make his ideas clear, his wants plain and his price limit definite. In fact, he should accurately describe the bird he is looking for. It is unjust to demand long correspondence of a seller, with no intentions of buying or hardly know just what you are looking for, just for the sake of attention or information.

A simple way of doing business, and we have found it a good way, is this: know what you want, have some general knowledge of the breeder and character of his stock. Send a postoffice order for the price you are willing to pay the breeder, with these instructions: "Please ship me the best Plymouth Rock cockerel, or turkey tom, or whatever it might be, that the enclosed order will buy from you at the present time." This warrants so much confidence in the breeder that it is not one time in a thousand that such confidence will be abused and every breeder who is at all acquainted with his conscience will generally fill such orders with better birds than the price of this order calls for.—Exchange.

Common hop toads, put in the kitchen, will rid the premises of roaches and water bugs. They are clean, inoffensive and unobjectionable.

The South is without question the most desirable part of America for the farmer of small means. The land responds promptly and freely to intelligent cultivation, and a greater variety of crops can be produced than elsewhere in the United States.

Don't Raise Chicks

without DAVIS Sanitary Food and Water Fountain; Life savers—no drowned chicks—keep water clean and fresh. Ask your Supply Dealer for them or order direct. Price 25c; \$2.70 doz. Postage 15c each, extra. No bottles or cans included. Circular free.

THE KEYES-DAVIS CO., Ltd., Mfrs.
Dept. 516, Battle Creek, Mich.

HURT'S SINGLE COMB BUFF LEGHORNS "BEST BY TEST"

My record of 196 premiums at America's foremost shows during '05, '06 and '07 proves this. At the Missouri State Show, in a large class, by ten exhibitors representing six different states, I won: 1st cock, 1st and 4th pullet, 1st pen, 2nd and 5th chl and special for "best display" on 7 entries. Get your stock and eggs of the "man who satisfies all."

PETER S. HURT, Box 404, THORNTOWN, IND

SANITARY POULTRY YARDS "FAMOUS" WHITE WYANDOTTES

A noted strain of heavy layers. "The laying hen is the paying hen." I have built up by the trap-nest individual record system, using nothing in breeding but the best, what I am pleased to call the

FAMOUS STRAIN

I breed for Merit and sell on Honor a strain of heavy layers. They are bred to Standard, to lay and show. Purity, vigor, prolific, Snow White. The best all-purpose fowls. Eggs from pens Nos. 1 & 2, Select Prize Winnings, \$3.00; pens Nos. 3 & 4, Special Choice Matings, \$2.00; pens Nos. 5 to 8, Splendid Utility Matings, \$1.00 for 15 eggs. Address "Box 122." Member Nat'l. White Wyandotte Club.

W. T. Roberts, Gurley, Ala.



Don't Blame the Hen

for being a poor layer when it's not her fault. Grains contain only a part of the egg-making materials needed for large egg-production.

Rust's Egg Producer

contains the rest and in the right proportions for mixing with the regular feed. One user writes: "Its use quickly doubled egg production." Its results are unequalled. Prices 25c, 50c, \$1.00 etc. Ask your dealer, Rust's Egg Record and excellent poultry booklet free. Write today.

WILLIAM RUST & SONS.

Dept. I. New Brunswick, N. J.

S. C. R. I. REDS

RED CLOUD STRAIN

EGGS \$2.00 FOR 15



J. W. BROWN,
Thorn Grove. - Tennessee

S. C. BUFF ORPINGTONS

Blue Blooded, Well Bred
and Well Raised Winners

My birds are good to eat, good to lay, good to show. Won at Knoxville, Dec. '06, 1 chl, 1, 2, 3, 4 pul; 1 pen; club specials for best cock, hen and pen and grand Silver cup of Na. S. C. Buff Orpington Club. Eggs \$3.00 per setting.

A. C. COCHRAN

Knoxville, Tennessee

If You are Interested in Bees or Honey

You should by all means subscribe for the leading Bee Paper of this country

GLEANINGS IN BEE CULTURE

A 64 page semi-monthly paper devoted to Bees and Honey and home interests.

This paper is fully illustrated with the most attractive illustrations of apiaries, appliances, etc., and has a special illustrated cover each issue.

Trial subscription six months for 25c, money returned if not satisfactory.

THE A. I. ROOT CO., MEDINA, OHIO

P. S.—When ordering the above if you will mention THE INDUSTRIOUS HEN and request it we will send you your choice of two of any of following 10c pamphlets.

Facts about Bees.

Habits of the Honey Bee.

Beekeeping for Women.

Beekeeping for Clergymen.

Hints for Amateur Beekeepers.

ANGORA GOATS

All correspondence should be addressed to Reginald Forwood, Garfield, Ark., and if a direct answer by mail is required a remittance of 25 cents should be sent.

Goatskin Imports.

Thirty-two million dollars' worth of goat-skins were imported into the United States in the fiscal year 1906, against ten million dollars' worth in 1896, only a decade earlier. These are, of course, round figures, the exact figures of the Bureau of Statistics of the Department of Commerce and Labor being \$31,773,909 for 1906, and for 1896 \$10,304,395. But a statement that the value of goat-skins imported in 1906 is more than three times as great as that of 1896 would be accurate and a bit interesting.

Very few articles required for use in manufacturing show so rapid a growth in importations as goat-skins, and few show so large a value. Hides and skins, as a whole, for example, which were valued at \$84,000,000 in 1906, were ten years previously valued at only \$31,000,000. That's as strange as it certainly is interesting, and especially so when goat-skins are deducted from this category, the growth in other hides and skins being found to be much less rapid proportionately than in goat-skins. In India rubber, for which the demand has grown enormously under the stimulus of bicycle and automobile manufacturing, the value of importations has grown from \$16,500,000 in 1896 to \$45,000,000 in the present year, the percentage of gain having been thus less than that of goat-skins, but still a big gain.

This is also true of raw silk, of which the imports in 1896 were \$27,000,000 and this year are \$54,000,000, having barely doubled in the value of importations. Wool importations have grown in the ten-year period from \$32,000,000 in value to \$39,000,000; and tobacco importations have increased from \$16,000,000 in 1896 to \$22,000,000 this year, having thus grown less than 4 per cent during the period in which goat-skins were trebling in the value of their importations. The only important article of manufacturers' materials showing a more rapid gain than goat-skins is pig tin, of which the value imported has grown from a little less than \$7,000,000 in 1896 to practically \$31,000,000 in 1906, having thus more than quadrupled.

It may astound the readers of *The Journal of Agriculture* to learn that the total value of goat-skins imported since the beginning of the fiscal year 1896 in a crude form (omitting those imported in the form of leather, or kid gloves) is \$240,000,000, and that practically every year shows an increase over the figures of the preceding year, both as to quantity and value.

India is the largest contributor of this important article of our imports, China, Brazil, Mexico, Russia, France, and the United Kingdom are also considerable contributors. Aden, a rocky point at the southern extremity of Arabia, also supplies a fair share, drawing this goatskin product in part from Arabia and in part from the shores of East Africa, which are readily accessible just across the Strait of Bab-el-Mandeb.—Robert M. McWade, in *The Journal of Agriculture*.

THE DELAWARE STRAIN R. C. RHODE ISLAND REDS ARE BLUE RIBBON WINNERS.

Won at Philadelphia, Pa., Wilmington, Del., Bridgeton, N. J., Charlotte, N. C., and Delaware State Fair. Eggs at \$1.00 to \$2.00 per 15 and \$6.00 per 100. Eggs in any quantity and satisfaction guaranteed.

The Chipman Strawberry heats them all; large, firm and very productive. All the best, new and standard varieties at lowest prices. Send for large free illustrated plant and poultry catalogue.

W. S. TODD, Greenwood, Del.

HOUDANS OF QUALITY

My matings for this season are the best I ever owned. My pens are headed by Blue Ribbon Winners from Boston, Chicago, Indianapolis and St. Louis shows. More prizes in 1908 than any Houdan breeder in America. Highest egg-record strain of Houdans in the world. Catalogue free.

SINGLE COMB BUFF ORPINGTONS

Bred in all their purity. Standard in size, type and solid buff in color. Send for mating list.

MAMMOTH TOULOUSE GEES. EGGS AND STOCK.
DR. G. W. TAYLOR ORLEANS, INDIANA.
President National Houdan Club. BOX H

PILLING CAPON TOOLS

On the market capons bring double price and are cheaper and easier to raise. Caponizing is easy and soon learned. A Pilling Capon Set will enable you to caponize all your young cockerels and add greatly to your profits. Sent prepaid with "easy to use" directions, on receipt of \$2.50. Anyone can do it. Write for free book on caponizing.

G. P. PILLING & SON CO.

Arch Street, Philadelphia, Pa.

SOUVENIR POULTRY POST CARDS

Handsome. New. No two alike. Every lover of chickens should have them. 8 for 10c postpaid.

THE INDUSTRIOUS HEN CO.
KNOXVILLE, TENNESSEE

WHITEWASHING
and disinfecting with the new
"Kant-Klog" Sprayer
gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc.
Booklet free. Address
Rochester Spray Pump Co.
31 East Av., Rochester, N.Y.

FOR SALE S. C. B. LEGHORNS



Winning at the St. Louis, Mo., Show, Nov. 25-30, 1907; 1 and 2 ckl., 1 and 3 pullet, 2 hen. At Bristol, Tenn., show Dec. 8-12, 1907, 1 ckl., 1 hen, 1 ckl., 3 ckl., 1 and 2 pullet, 1 pen. Ckls. and pullets for breeders, the same line of blood. Eggs \$2 to \$5 per setting per 15 eggs. Call for free circular and get show record.

M. S. COPELAND, R. 1, Powell's St., Tenn.

DON'T YOU RECKON THOROUGHBREDS PAY BEST? **LET US START YOU**

81 REGULAR PRIZES TO OUR CREDIT

THE BETTER KIND Eggs and breeders for sale at reasonable prices.

PLEASED CUSTOMERS IN EVERY SOUTHERN STATE

W. HAYSESS' POULTRY YARDS CO. (Mobile County) ALA.
DREEDERS, SHIPPERS, EXPORTERS.
Box 4 CHUNCHULA, LEADING VARIETIES
STANDARD BRED POULTRY
OUR IMPERIAL PEKIN DUCKS '98
Have Proven Their Superiority Since
PRIZE WINNERS IN EVERY YARD

Agents: Petaluma, Incubator Co., REMEDIES, FEEDS, SPECIALTIES, ETC.

THOROUGHBRED

Angora Goats for Sale

From Registered Stock. Nothing better to be had anywhere. \$20 per pair. One year old Bucks, \$10; Kids, \$7.

E. D. SHIELDS
TELICO JUNCTION, TENN.

IF YOU ARE LOOKING FOR ROSE COMB BLACK MINORCAS

of the kind that have won the majority of the prizes contested for at Chicago, Indiana State Fair and the Jamestown Exposition you should not fail to send four cents in stamps for the finest Rose C. B. Minorca catalogue ever published. Contain full description of breeding pens, show winnings; and illustrations of 25 prize winning birds. When thinking of R. C. B. Minorcas always remember

LLOYD C. WISHLER, R. R. 2, N. Manchester, Ind

PRINTING FOR Poultrymen

Special Offer to introduce our Work. Prompt service, artistic work and unheard of prices.

SPECIAL—100 White Envelopes—100 Note Heads and 100 Business Cards printed and sent postpaid for 85c. Standard cuts of different breeds furnished free. We guarantee a satisfactory job or we agree to refund your money and charge you nothing for printing. 1000 6x9 Circulars (book paper) printed and sent postpaid for \$1.00. Address,

AMERICAN BUSINESS AGENCY,
Easton, Maryland.

The Southern Planter

ONE YEAR FREE

As a special inducement to old and new subscribers alike we have arranged to send *The Industrious Hen* and *The Southern Planter*, Richmond, Va., one year for 50c.

We recommend *The Southern Planter* as one of the best farm publications in the South. Send to them for sample.

All subscriptions should be mailed to

THE INDUSTRIOUS HEN
Knoxville, Tenn.

THIS BROOD COOP



is rat, lice, mite, mink, weasel, rain proof. Easily taken apart and cleaned. Set hens in mite and lice-proof nests. Our feed coop feeds three kinds of feed, is a feed saver. Try our non-freezing watering tank, egg testers, etc. All made of galvanized steel. Catalogue free. C. Hoskins & Co., 318 State St., Quincy, Ill. Dept. I. Agents wanted.

THE KENNEL

This Department is conducted by WALTER J. HUNTER, Johnson City, Tenn., to whom all queries should be addressed.

The Collie as a Worker.

We are apt to look upon the Collie as rather more of an ornament than as a working dog. It is simply a matter of circumstance. Most any Collie puppy will show an adaptability to do the work required of it on a farm with varying degrees of natural aptitude. One may go into the country school—any school for that matter, and to be a bit Irish, not all the boys will be found at the top of the class. Some Collies will take hold of the idea just as soon as they see another dog doing the work. Some people think all they have to do to teach a dog to drive sheep or cattle, to bring them home or separate them, is to holler orders and point towards the animals to be practiced upon, and the young dog that makes a bluff at doing what he construes to be your meaning and does a lot of galloping around and yelping, is on the right road but does not know how. He is condemned as hairless. Teach him, the same as your son is being taught his sums, and his calisthenics.

This poppy-cock twaddle about narrow skulls leaving no room for brains is most of it bosh. We have seen just as many fool dogs among the coarse, broad skulled Collies as the others, and the chances are there are more of them, for they have not the keen fine blood that makes for the sharpness, virility and intelligence in the well bred show dog. We say show dog, as exemplifying the type. We know of an example of this right to home, as the farmers say.

The old farm dog was a dog of uncertain lineage, mostly derived of a drover family that worked around the yards at Brighton, Mass., a black and white sharp faced chap with a wide skull. His temper was uncertain and he was finally killed for hitting somebody who came in the yard. He was a good worker as they go, but as soon as his task of bringing in or rounding up the cows was concluded, it was lay off in the most comfortable spot for him, and take little notice of things mundane until the familiar sounds around him denoted that it was time for him to drive or fetch the cattle.

Another Collie, a son of a neighboring dog with champions galore in his lineage was bred by the farmer out of a bitch that was equally as well bred as the sire, and out of the litter one of the handsomest dogs was kept. As he grew up he became just as efficient in the driving business as the old dog, with the added advantage that he is up and doing around the place from morning to night, that he is ever ready for a frolic, that his handsome color, coat and intelligent head and bearing make him admired of every one, and besides, in his early puppyhood he won first in a puppy class and brought great joy to his owner. Is he not worth while? Is not the ownership of such an animal, if even one does not know much about the finer features of cynology, a more satisfactory state than the care and feed of the thick headed, cloddy animal we first alluded to, whose sum total of happiness lay in snoozing? One can not expect show Collies to take up the thread of farm work without being trained, any more than we can expect the setter to do more than flush his birds when he gets a chance. An example of the highly bred Collie doing exemplary work on sheep, is found in the excellent way in which a five months son of Greystone's Squire of Tytton, performed in an exhibition test at the Shrewsbury sheepdog trials.—*The American Stock Keeper.*

—AT STUD—

Imp. Scottish Alton Monty

A. K. C. S. B. 92455

Monty is a typical sable and white Collie. He is large, strong, with a perfect head and ears, and a beautiful rich golden color, and has won many first prizes, his last being at the dog show, Knoxville, Tenn., Sept. 21, 1907. He throws well marked, strong, vigorous puppies. Fee \$10.

For further particulars or pedigree of Monty, address the

KNOX COLLIE KENNELS

617 Gay Street, KNOXVILLE, TENN.



MAKE GOOD MONEY

In Poultry business. Others do it. Why not you? Our big illustrated book, "Profitable Poultry," tells how to breed, hatch, feed, grow and market to make lots of money. Starts you on the road to success. Describes most wonderful Poultry Farms in the world—32 kinds of tows. Gives lowest prices on fowls, eggs, Incubators, everything for Poultry. Mailed for 4 cents in postage. Berry's Poultry Farm, Box 84, Clarinda, Iowa.

Collies For Sale

The best tri-color, and sable and white puppies we have ever raised—from prize winners and by the great stud dog "Scottish Alton Monty," an imported first prize winner in hot competition. Biltmore Queen, Parbold Daisy, Caledonia Lena, and Beauty Bright II are prize winning bitches. Six weeks old puppies \$10 to \$25. Book your order now.

Knox Collie Kennels

617 Gay Street

Knoxville, Tenn.

DOG GOT FLEAS?

The editor of *The Dog Fancier* has a preparation that will positively remove all fleas from dogs and cats. It is harmless to the animal or coat. Sent, postpaid, for 50 cents. *The Dog Fancier* is a monthly illustrated publication, devoted solely to dogs. Now in its 17th year. Will send you a sample copy on request. Subscription price 50c a year. Address the Editor, EUGENE GLASS, BATTLE CREEK, MICHIGAN.

THE SOUTHERN DOG FANCIER

Devoted to the upbuilding of the Kennel industry in the South. A high-class magazine, profusely illustrated and beautifully printed; it is the only exclusive kennel periodical published in the south. Write for sample copy. Subscription \$1.00. Address

THE SOUTHERN DOG FANCIER, Atlanta, Ga.

BLACK LANGSHANS AND ROUEN DUCKS

Eggs For Sale From Prize Winning Stock.

\$1.50 PER 15.

Mrs. H. A. UTLEY, GOODLETTSVILLE, TENN.

S. G. RHODE ISLAND REDS ONLY

Eggs in Season for \$1.50 and \$3.00 per 15

My foundation stock is from best Reds in this country. I now have 150 young stock for sale—75 cockerels, all from first prize winners last season. Write y-ur wants.

W. OSCAR ORR, Box 112, ROANOKE, ALA.

WHITE HILL POULTRY FARM

LAWSON'S BLUE RIBBON STRAIN

S. C. W. LEGHORNS

had another victory at the bannier show of the South, winning club cup for the 10 highest scoring birds in show, also 1st pen, 1st chl, 2nd hen, 2nd, 3rd, 4th pullet, 3rd ck. Now, Mr. Exhibitor, if you want to win next year, I have all my winners at Bristol, Cleveland, and Knoxville, in my yards, and you can get eggs from these very birds at \$3.00 per 15.

A. J. LAWSON, Prop. R. 7, BOX 66., CLEVELAND, TENN.

Single Comb Rhode Island Reds

Young stock and eggs from Standard bred exhibition pens. Won 2nd pen, Jan. 1907, and 2nd pullet Jan. 1908, in hot competition.

Miss Rose Wallace

Harriman, Tennessee

WECKLER'S BUFF ROCKS



Proved themselves winners again at Indianapolis, the greatest show ever held in Indiana. 1, 2 Pens, 1, 2, Hens, 1 Pullet, 3 Ck., 4 Ckl.; four Silver Cup Specials for best male and female. Eggs from the same matings that I breed from \$3.00 for 15. A few

Cockerels and Pullets for sale.

A. L. WECKLER, Bunker Hill, Ind.

BARRED PLYMOUTH ROCKS

(RINGLETS)

Winners Three Years in Succession at the Greenfield Poultry and Pet Stock Show

I breed from high-scoring birds that are mated for best results. I have made Barred Rocks a specialty for fifteen years.

EGGS AT \$2.00 PER 15.

COCKERELS FOR SALE, \$2 TO \$5 EACH. GOOD ENOUGH TO SHOW

F. E. MENZIES

DYER, TENN.

S. C. W. LEGHORNS

Free Range Birds! Laying Strain!

Eggs for hatching. About fifty Cocks and Cockerels (fine), to be moved at a bargain. We have an up-to-date plant, prepared to handle thousands of chickens yearly. Visitors welcome.

Speedwell Poultry Farm, Salem, Va.

S. G. RHODE ISLAND REDS

EXCLUSIVELY

As Good as the Best.

EGGS, Fresh Pen, \$5.00 per 15.

EGGS, Utility, \$2.00 per 15.

A. M. PEASE, SON, -- SYLACAUGA, ALA.

BOYS' DEPARTMENT

Address all communications for this Department, or concerning the Boys' National Poultry Club, to ROBERT G. FIELDS, 33 Caruthers Ave., Nashville, Tenn.

Notes of Interest.

R. Walter Bishop, one of our members from Connecticut, made an extra fine winning at the Springfield, Mass. show, 1907. This was the first pullet on Black Langshans won in a class of fifteen pullets, of extra quality, from nine states. He also won with this same pullet a silk bag for the best shaped Langshan female in the show.

Douglas S. Beverly, a member of our Club from New York, says that at three different shows recently he won five firsts, six seconds and two thirds on 13 entries. He breeds Rose Comb Brown Leghorns exclusively, and seems to have the knack of producing the winners.

The B. N. P. C. Ribbons offered at Nashville, Tennessee, were not very hotly competed for, Robert G. Fields being the only exhibitor trying for them. Four other boys had intended exhibiting, and the fight for these handsome specials promised to be warm, but for various and sundry reasons all were compelled to drop out save the one already mentioned. Robert G. Fields, Secretary and Treasurer of the Boys' National Poultry Club won first best display of outside Tumbler Pigeons. He also won several specials, as well as all the regular cash prizes in above mentioned class.

The shows at which members of the Boys' National Poultry Club have won during 1907, from January 1 to December 31, are as follows: Springfield, Mass.; Rock Hill, S. C.; Greater Nashville Show; Tennessee State Fair; Nashville, Tenn.; Jamestown Exposition; Charlotte, N. C.; Greensboro, N. C.; Mecklenburg Fair, N. C.; Knoxville, Tenn.; New Berlin, N. Y.

As all boys know how to use tools and can make most of their poultry appliances and fixtures, I think we could all profit by sending in descriptions of the various articles which we make and use on our own "plants." I will start it off by giving a description of a good brood coop which I make and use:

This coop is made from an old flour barrel, with both ends knocked out. Tack a piece of burlap over the rear end, and then slat up the front, leaving room for the hen to conveniently pass through. Nail two pieces about one foot apart on the under side to keep the coop from rolling. Just before the chicks are placed in this barrel house you should level off the floor with coarse sand, so as to make "house-work" easy. This coop will shed water easily and keep the chicks and hen warm, and let in a constant supply of fresh air.

Hints.

1. A tarred paper roof will last much longer if the slope is toward the north.
2. In the poultry house allow about one square foot of glass surface to every 15 square feet of floor space.
3. Leaves and dried grass make an excellent litter for the scratching shed. It is a good plan to gather them in the fall and store them away for winter.
4. Once each month the nesting material should be removed, the nest scaled out, a layer of sod placed in the bottom and fresh hay or straw added.

The first annual catalogue of the B. N. P. C. will be mailed to all who write for same, enclosing stamp. A copy will be mailed to all our paid-up members as soon as possible. If you would like a copy of this catalogue, don't hesitate to send for it, for we want a copy of same in the hands of every well-wisher of the boys in this broad land. Don't fail for a copy. We will cheerfully send it.

I have solicited the editor of THE HEN and he has kindly offered to give a set of eight poultry cards absolutely free to every boy subscriber who is a member of the B. N. P. C. Now boys, here is your chance to get The Hen one year for 25 cents and eight poultry post cards free.

Make your nests as convenient and inviting as possible, so the hens will not want to

hide their nests. Also have some of them darkened, as the hens like seclusion.

Pigeon bands numbered from one to one hundred are excellent markers for little chicks, these with the aid of the chicken punch makes it easy to keep records of the chicks.

Run the incubators about two days before putting in the eggs to see that it works all right. Do the same with the brooder in regard to the chicks, thus making the brooder warm, as well as insuring safety.

You pigeon boys must see that all unmated pigeons are either mated up or disposed of. "Loose" pigeons will do untold damage to any loft.

Don't try to undertake too much the first year. Start small and let the business grow gradually. Trying to start on too large a scale has been many a would-be poultry breeder's undoing.


WHITE WYANDOTTES

Bred from selected stock. Eggs \$1.50 per 15.

Orders booked Feb. and Mar. \$1.00

MRS. J. W. MAHAN, WHITTLES DEPOT, VA.

GREIDER'S
Fine Poultry Catalogue
for 1908 illustrates and describes 60 Varieties of Poultry, Pigeons, Ducks, and Geese. Printed in beautiful colors, with 10 handsome chromes pretty enough to frame. Tells all about best Lotse Killer: practical poultry houses and equipment, how to build them, how to cure diseases, make hens lay and yield good profits. Gives prices of breeding stock and eggs, which are within reach of all. Book worth far more, but sent postpaid for only 10 cts.



B. H. GREIDER,
Rheims, Pa.

What Have You

To Sell? Or Trade? Or What Do You Want to Buy?

Tell us your wants, we are here to supply them. We publish a monthly, which goes to thousands of people who buy, sell and exchange. Send a description of what you have or what you want; we will do the rest. Enclose stamp.

American Business Agency,
Easton, Maryland.

GOLDEN WYANDOTTES

Not surpassed for utility and Exhibition. Eggs from Winners at the Greater Asheville Show per Setting, \$3.00; two Settings, \$5.00.

W. H. LORD

Asheville, North Carolina.

The Industrious Hen Free!

For the Next SIXTY DAYS we will Give Away About 500 Subscriptions to THE INDUSTRIOUS HEN.

LOOK AT THIS

The Regular Subscription Price of THE INDUSTRIOUS

HEN One Year is.....50c

The Southern Agriculturist, Nashville, is 50c

The Southern Planter, Richmond, is 50c

The Reliable Poultry Journal, Quincy, is 50c

(Send to any of the above for sample copy)

FOR THE NEXT SIXTY DAYS ONLY WE WILL SEND

The Southern Agriculturist and The Hen, one year for....50c

—OR—

The Southern Planter and The Hen, one year for.....50c

—OR—

The Reliable Poultry Journal and The Hen, one year.....50c

—OR—

ALL FOUR OF THE ABOVE PAPERS, ONE YEAR FOR \$1.00

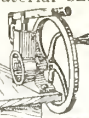
This is Our Bargain Counter Offer.

Send orders at once, for as soon as our limit is exhausted this offer will be withdrawn. Address

The Industrious Hen Co.
Knoxville, Tennessee

EGG MAKING

is a hen's natural work. Cut bone is the raw material she needs to make her lay an egg a day. A **CROWN BONE CUTTER** will prepare the food from scrap bones quickly, easily. Write for catalog - tells about the Crown. Wilson Bros., Box 646, Easton, Pa.



THE BANTY FOUNT SAVES LABOR

Send direct if not at dealer's. We refund money and pay freight both ways if not satisfied. You take no risk.

Valvanized iron made to last
 1/2 gal., 60¢; 1 gal., 75¢; 2 gal., \$1.00.
 Discounts on doz. lots.
 Small sample mailed for 10 cts. stamps.
AM. PAT. SPECIALTY CO. Dayton, O.

OPEN **CLOSED**
 PAT. NOV 7 '05

EASILY FILLED & CLEANED

CHEROKEE FARM

S. C. R. I. REDS

Stock, each \$1 to \$5. Eggs \$1 to \$5 setting. R. C. Brown Leghorns \$2 each. Eggs \$2. Mammoth Bronze Turkey eggs \$2. Toulouse Geese \$2. Eggs \$2. Pekin Ducks \$1. Eggs \$1. 1 fine four-year and 1 six months Aberdeen Angus bulls, registered, for sale cheap. All are of the best strains.

C. W. HICKS,
 Madisonville - - Tenn.

"DAVIS' BARRED ROCKS"

Can fit you up with good breeders or show birds. Write for circulars.

B. S. DAVIS, CHARLOTTE, N. C.

S. C. RHODE ISLAND REDS (Deep Cherry)
WHITE PLYM. ROCKS (Large, vigorous)
WHITE WYANDOTTES (Laying Stock)

These birds all high strains; heavy layers; prices moderate; fair dealing. Eggs \$2.00 per 15. Customers pleased.

R. E. TRAVIS, Bonnie View Poultry Yards
 Goodlettsville, Tenn.

No. 1 CYPRESS INCUBATOR
 120 Egg Capacity \$17.00
No. 2 STORM KING BROODER
 75 Chick \$8.00
 \$25.00

Used Only for One Hatching and in Good Condition.
 Will Sell at Half Price.

P. J. BRISCOE, Sr., - 1605 Laurel Ave.



Paralysis

Locomotor Ataxia Conquered at last by Chase's Special Blood and Nerve, Kidney and Liver Tablets which force new life and strength into the paralyzed parts. A month's trial will convince you. Write for full particulars - P. 3

Dr. Chase, 224 N. 10th St., Philadelphia, Pa.



IDEAL ALUMINUM LEG BAND

To Mark Chickens
CHEAPEST AND BEST
 12 for 15c; 25-25c; 50-40c; 100-75c.
 Sample Band Mailed for 2c Stamp.
Frank Myers Mfr. Bx 50, Freeport, Ill.

When writing advertisers mention THE HEN.

National Rose Comb Rhode Island Red Club.

The second annual meeting of the N. R. C. R. I. R. Club was held in Boston, Jan. 16, 1908, in connection with the Boston Poultry Show. In spite of the fact that the club has had an existence of only a year, a large number of Rose Comb breeders were in attendance at the meeting, and much interest is being manifested, particularly in the South and West. Inquiries are coming in every day for information. Already nearly every state in the union is represented on the membership roll. Club ribbons will be awarded at the principal shows next season. Competition open only to club members. The following officers were elected for the ensuing year:

Pres., Robert C. Tuttle, of Hartford, Conn.; Vice-President, D. P. Shove, of Fall River, Mass.; Sec. and Treas., John E. Davis, Marblehead, Mass. Executive Committee, the Pres., Sec. and Treas., and W. F. Hoyt, Pennacook, N. H.; Ed. Warkling, West Medford, Mass.; J. Cleveland Capen, Bloomfield, Conn.; Lester Tompkins, Concord, Mass.; Walter T. Almy, New Bedford, Mass. The membership fees and dues for one year are \$1.00. Send all communications to John E. Davis, Sec. and Treas., N. R. C. R. I. R. Club.

Changes In Executive Committee.

Sometime ago the Chairman of the Executive Committee of the Boys' National Poultry Club, Alfred Fowler, Fremont, Nebr., sent in his resignation, saying that as he was so situated as not to be able to keep fowls any longer, he thought it best to resign. We were very sorry to hear this, and urged his calling back the resignation, but without avail, so his place was left vacant.

Archie Ryan, another member of the Executive Committee, has not reported at the last two meetings, and is therefore superseded. This left two places in our Executive Committee vacant.

Our President, H. C. Bunch, has gone to work and appointed two new members to the Executive Committee, besides making one of the older ones Chairman.

Our Executive Committee reads as follows: Archie E. Vandervort, Chairman; James Cooper, R. H. Crosby, Walter E. Hay, R. Walter Bishop.

The two latter are the new ones recently appointed. This gives us a live, hustling Committee, and one from which results may be expected.

The Winnings of a Virginian.

At the recent Richmond show, I. Davenport Williams, proprietor of the Strawberry Hill Poultry Yards, won eight specials on his S. C. Brown Leghorns, besides many regular prizes, two silver cups and three special ribbons. Judge Whitman pronounced his birds among the best that he has handled. It was a very large class of Browns and Whites. Mr. Williams won 4th pen and 6th cockerel at Jamestown in immature birds, and he claims that his best were not in the pen, they being of a later hatch.

Rock Hill, S. C. Show.

Had nearly 700 entries and Monroe only 30 miles away. The show held on January 7 to 11, 1908, was the first, but it was a great success, both in attendance and finances. The next show will be held January 12 to 15, 1909, under Judge F. J. Marshall, and with the present efficient set of officers and directors a grand success is assured.

Chanute, Kansas.

The Chanute Poultry Club had a most interesting poultry show in January at Chanute, Kansas. It was very successful. The expenses were \$350, but every premium was paid in full, and the exhibitors were well pleased. Arrangements have already been made for another year, and a thousand birds are promised. On account of lack of space the full list of birds is omitted.

Bristol's Next Show.

Will be held in Bristol, Tenn., December 16, 17, 18, 19, 1908. Officers of other shows in this section are requested to bear this in mind, that dates may not conflict. Bristol's last show was a great success in every way, there being 688 actual entries. President J. C. Adams, Secretary W. H. Cochrane, and other officers, deserve great credit.

Take a look at the new factories along the Southern Railway and be convinced of the great industrial development in progress. Mark the prediction that the South has just begun to develop.



A 208 Egg Lady Always First in Show Room

J. A. MUECKE, Jr.

The Dutchman with a Square Deal

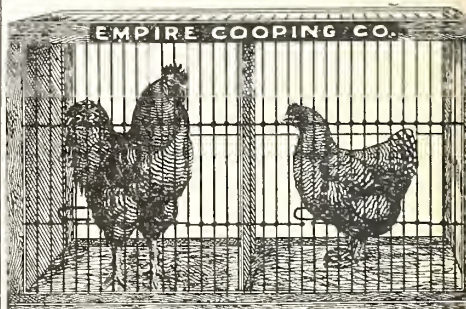
BREEDER OF

SILVER LACED WYANDOTTES

\$2.00 for Thirteen Fertile Eggs
 From Prize Winners.

At the great Jamestown Show, Oct. 23, 1907, won 1st and 3rd cock; 1st hen, 1st and 2nd cockerel, 5th pullet and 56 other prizes and specials at five other shows this season.

J. A. MUECKE, Jr.,
 Box 226. - Kingston, Tenn.



Pat'd Oct. 15, 1901.

EMPIRE

Exhibition and Training Cages

For Poultry, Pigeons, Cats and Canaries

A Specialty of Caging Winter Shows

State and County Fair Poultry Buildings

Write for free illustrated catalogue of sizes

EMPIRE COOPING CO.

Fultonville, New York.

TAYLOR'S JAMESTOWN WINNERS

IN

AYLESBURY AND MUSCOVY DUCKS

A Clean Sweep. White Holland Turkeys, 2nd Tom and 2nd Hen. High Class Pekin Ducks and Winter Laying White Wyandottes.

R. RANDOLPH TAYLOR,

R. F. D. 2.

BEAVER DAM, VA.

LANGFORD'S RHODE ISLAND REDS SINGLE COMB ONLY

Won at Madison Square Garden, New York, 1st prize Cockerel.
Jamestown: 1-4-6 ckl.; 4 and 6 pullets; 3 cock; 3rd hen. Shape and color special on male; also cup.
Fort Worth, Texas: 1st cock; 2nd hen; 1-2 ckl.; 1-3-4 pullets; 1st pen.
Nashville, 1908: 1st cock, 1st hen, 1-3 ckl., 1-2 pullets, 1st pen. Three (3) Silver Cups. Our yards are mated and are the strongest we have ever handled. **EGGS FOR SALE.** Write for new illustrated catalogue.

FRANK LANGFORD, R. R. 10, NASHVILLE, TENN.

KENTWOOD POULTRY FARM

J. H. MILLER, Prop. - KENTWOOD, LA.

BARRED, BUFF AND WHITE PLYMOUTH ROCKS SILVER, GOLDEN AND WHITE WYANDOTTES

Light Brahmas, Buff Cochins, S. C. White and Brown Leghorns. S. S. Hamburgs; S. C. Black Minorcas, Cornish Indian Games, R. C. R. I. Reds. Eggs: \$2.00 to \$5.00 per setting of 15, or \$8.00, \$10.00 and \$12.00 per one hundred for incubator use. Stock for sale and some great bargains in cocks and cockerels of all breeds that we handle.

POLAND CHINA HOGS

Best blood line in America, pedigreed and registered, moderate prices.

THE FINEST DOG KENNEL IN THE SOUTH

Fox terriers, the finest ratters on earth. Scotch Collies; sable and white; black and white; and tri-colored. Pointers of the best breeds, all pedigreed and registered. We also have a fine flock of Toulouse geese.
WE GUARANTEE EVERY SALE AND WANT NO DISSATISFIED CUSTOMER.
 Plenty of stock for sale; write us your wants.

RED HILL POULTRY FARM

W. B. SLOAN, Proprietor. Breeder of Prize Winning, heavy laying S. C. BUFF ORPINGTONS exclusively. My Orps are bred to lay and they always win. If you want the best goods for the least money in both stock and eggs write me. Eggs \$1.50 per 15; \$8.00 per 100. Stock at your price.

W. B. SLOAN,

Route No. 8.

CLEVELAND, TENN.

WOODCOTE POULTRY YARDS WHITE WYANDOTTES EXCLUSIVELY

WHAT THE JUDGES SAID

At Nashville, Dec. 1907, under Riggs, I made a *clean sweep*, entering ten birds and winning *five firsts*, 1st cock, 1st hen, 1st and 2nd cockerel, 1st and 2nd pullet, 1st pen and Silver Cup for best pen, besides five special prizes. At Nashville in January, 1908, under Drevendstedt, won 1st cock (only one I entered), 1st and 2nd cockerel, 2nd hen, 2nd and 3rd pullet, 2nd pen and *National White Wyandotte Club Silver Cup* for the *four best White Wyandottes* in the hottest competition ever held in the South. Some fine cockerels for sale from same pen as prize winners, from \$3.00 to \$5.00. I guarantee eggs. 1st pen, \$5.00 15. 2nd pen, \$3.00 15. 3rd pen, \$1.50 15.

The Sire of These Winners Heads my 1st Pen.

Mrs. Wm. R. LUKE, R. F. D. No. 5, Nashville, Tenn.

The meeting of the Tennessee Horticultural Society held last week was well attended and proved highly interesting. Officers of the Society were elected as follows: President, R. A. Wilkes, of Culleoka; Vice-President for East Tennessee, W. H. Fox, of Graysville; Vice-President for Middle Tennessee, J. W. Garrett, of Lawrenceburg; Vice-President for West Tennessee, W. P. Wade, of Kenton, and Secretary-Treasurer, Charles A. Keffer, of Knoxville. State Entomologist H. A. Morgan addressed the Society on "Features of the Co-operative Experiment Station." A committee consisting of the President, Secretary and other member was appointed to confer with the State Fair management with regard to a better fruit exhibit at the Fair. President W. F. Heikes, of Huntsville, Ala., of the Alabama Horticultural Society was in attendance.—Farm and Home.

Thirty-two Prizes in Two Shows.

H. L. Kennon, Dunnegan, Mo., writes that he has shown at two of the leading shows of the country, and that he has won 32 prizes on Barred Rocks and Mammoth Bronze Turkeys, winning the sweep stakes ribbon for the best colored male and female Barred Rocks. See his ad elsewhere.

The Dutchman With a Square Deal.

Few exhibitors this season have had such universal success with their birds as has J. A. Muecke, Jr., Kingston, Tenn., who breeds the world famous Silver Laced Wyandottes. He has excellent birds and in his advertisement elsewhere in this issue he will tell you something interesting about them. See the picture of the "208 Egg Lady."

In the official report of the great Nashville show an error was made in reporting Mrs. Wm. R. Luke's winnings. She writes us that they are as follows: White Wyandottes—Mrs. Wm. R. Luke—1st, cock; 1st and 2nd, cockerel; 2nd hen; 2nd and 3rd, pullet; 2nd, pen.

Mr. Maire, Clinton, Tenn., writes that in our report of the Knoxville show winnings he should be credited with 3rd tie cockerel, S. C. W. Leghorn, also that he won at the Bristol show 1 ckl, 4 pul and 1 hen. We are glad to make these corrections.

GLENVIEW ORPINGTONS

* S. C. BUFFS EXCLUSIVELY *

My breeding pens this year will include such birds as 1st cock, Indianapolis, '07. All my winners at Richmond, '08. Only place shown this season. Send for mating card for further particulars. Eggs will be shipped from nothing but the best. \$2.50 per setting of 15.

B. S. HORNE, KESWICK, VIRGINIA.

BREEDERS' CARDS

21 cents a word each month for one, two or three insertions; 2 cents a word each month for four or more insertions. A 25 word card will be run six months for \$2.50; one year for \$4.50. A small cut illustrating a breeder of 25 words or more will be used for 50c extra.

Numbers and initials count as words. Please count the words correctly and avoid delay. We keep no books with this department and CASH MUST INVARIABLY ACCOMPANY THE ORDER.

BLUE ANDALUSIANS

BLUE ANDALUSIANS—White Faced Black Spanish and S. C. White Leghorns bred from first prize winners for sale. Eggs in season. H. K. Birchett, Lebanon, Tenn 49

THE MAJESTIC Blue Andalusians. Finest blood known, wonderful winter layers. First prize Richmond, Jamestown, and Washington. Stock and eggs for sale. V. H. Council, Warrenton, Va. 52

BUCKEYES

BUCKEYES—Stock and eggs. Lindley Place, Meshopper, Pa. 45

BUCKEYES, "Kentucky Cardinal Strain," (registered). Eugene Cowles, Shelbyville, Ky. 54

GAMES

PRIZE winning Black-Tailed Japanese Bantams, 15 eggs \$2.00. Mamie Avery, Martinsville, Ind, Route 22. 48

MY PURE WHITE INDIANS are a good, all-purpose, money breed. Stock and eggs. Money back if not pleased. M. E. Kennedy, R. 3, Temple, Ga. 48

CORNISH INDIANS—a first-at Jamestown Exposition. I imported a fine trio direct from England. Also Houdans, Buckeyes, Turkeys, Guineas. Circular free. R. D. Reider, Middletown, Pa. 48

GAME COCKERS—Send 50 cts. for a monthly journal devoted to Game fowls. Sample 5 cents. Game Fanciers Journal, Battle Creek, Mich., or send 60 cents and receive Game Fancier's Journal and THE INDUSTRIOUS HEN both one year. 48

MINORCAS

NORTHUP Strain S. C. Black Minorcas, cockerels \$3.00. Eggs \$2.00 per 15. Mrs. Slaughter Downer, Guthrie, Ky. 49

WHITE MINORCAS—I have made them a specialty for 9 years. Some very fine cockerels to improve your flock. Address, Harry Leibold, Delaware, Ohio. 47

S. C. BLACK MINORCAS that won at Birmingham, Nashville and other shows. Eggs \$3.00 for 15. Stock for sale. Mrs. W. S. Porter, 19th and Russell Sts., Nashville, Tenn. 45

MINORCAS—Northup and Doane. Eggs, 15 for \$2.00. Day old chicks 25c each. Cockerels cheap. Order now. W. L. Boatright, Hickory, N. C. 49

S. C. BLACK MINORCAS Exclusively—Eggs from prize winners at Columbia, Nashville and Lebanon—Write us. J. C. Vaughan & Co., Lebanon, Tennessee. 48

25 S. C. BLACK MINORCAS, Exhibition Cockerels, Northup strain, large bone, fine color, good shape and size, farm raised, ready for show room now. Harry L. Heiskell, Sweetwater, Tenn. 45

ROSE COMB BLACK MINORCAS—Eggs from first prize Madison Square Garden, New York, winners guaranteed to hatch. Illustrated price circular free. G. A. Clark, Seymour, Indiana. 49

SINGLE COMB Black Minorcas, Rose Comb Reds, Barred Rocks, cockerel and pullet matings. Superb blood lines. Pekin ducks. 50 good Minorcas for sale. Jno. R. Carter, Rt. 1, Wales, Tenn. 47

Single Comb Black Minorcas—Nashville winnings: First cockerel, second cock, first hen, first pullet. Medal on cockerel. Eggs, \$3.00. Charles T. Moss, West Nashville, Tenn. 48



ORPINGTONS

BUFF ORPINGTON—Cockerels, hens, and eggs from two strains and yards, from winners. J. P. Janeway, Sweetwater, Tenn. 48

ORPINGTONS—First World's Fair Cockerel and sons head our yards. 30 eggs, \$2.00. Circulars. Millbrook Yards, Bowling Green, Kentucky. 45

S. C. BUFF ORPINGTONS, Cook strain direct. Eggs from best pens, \$2.00 for 15. Incubator Eggs, \$4.50 per 100. Chas. F. Higgs, R. 1, Timberville, Va. 46

SINGLE COMB Orpington and Leghorn, White, Buff and Black. Eggs from first prize pens \$2.00 and \$2.50 for 15. Write your wants. Satisfaction guaranteed. J. J. Mays, Lynchburg, Va. 56

TRIO OF BLACK ORPINGTONS hatched last March from Bogardus' best pen. Cockerel weighs eleven, pullets eight pounds. A genuine bargain for fifteen dollars. Cheaper stock for sale. W. H. Marsh, Collinsville, Alabama. 45

PLYMOUTH ROCKS

EGGS—White Rock eggs \$1.25 per 15. \$5.00 per 100. A few late pullets for sale. Mrs. Jacob Shearer, Richmond, Ky. 48

BARRED ROCKS—Eggs from pure bred birds \$1.25 per 15. Write your wants. Clint Coffman, Elkton, Va. 47

KENTUCKY "Ringlets" yearling breeders, direct from E. B. Thompson, also handsome, healthy young stock and eggs for sale. Mrs. M. E. Almy, Altamont, Ky. 47

WHITE PLYMOUTH ROCKS, Fishel's "World's best" strain of prize winners. 15 eggs \$4; 49 for \$2.00. Why pay \$1.00 for eggs no better? Bowker Poultry Farm, Box H, Dublin, Ind. 47

BARRED P. ROCK Ringlet Strain, prize stock, grand layers, eggs for sale. Strawberry plants good as the best etc. Catalog free. J. W. Hall, Marion Sta., Maryland. 46

FISHEL'S White Rocks. Prize winners. Eggs from best pen \$2. Send for free circular and mating list. F. L. Malkemus, Rt. 1, Davis, Illinois. 47

IF YOU WANT WHITE ROCK cockerels I have some rare bargains. Money back if not satisfied. A nice present to every one. W. C. Jennings, Cartilage, N. C. 46

BARRED PLYMOUTH ROCKS for sale. Cockerels \$1.50 to \$2.00 pullet \$1.00. Eggs in season. Parks 198 egg strain. A. J. S. Drenl, Port Republic, Va. 48

BARRED AND WHITE Plymouth Rocks. Prize Winners. Stock and eggs for sale. Unity eggs, 26 for \$1. Special pens from \$2 to \$5 for 15. Berry Poultry Yards, Rt. 1 Herndon, Virginia. 50

\$8 FOR \$1. (Fishel). White Rock eggs \$1 per sitting from pen that cost \$8 per sitting, headed by first prize cockerel. Cockerels \$2.50 each. Mrs. Coleman Hinkle, Bards town, Kentucky. 48

DICKINSON'S WHITE ROCKS—Best in Ohio. Fifteen grand pens for 1908. I positively guarantee to ship you eggs from Madison Square Garden, Newark and Ohio State winners for only \$2 per setting, \$10 and \$6 per 100. Mating list. S. M. Dickinason, Box W, Granville, O. 47

BARRED Plymouth Rocks, Ringlets and Bradley Bros. Each in their purity double mated. Bred for exhibition and are heavy layers. Some excellent cockerels on hand that will improve your flocks. Write me before placing your order. Daniel Suburban Poultry Yards, Hopkinsville, Ky. 45

WYANDOTTES

FOR BUFF WYANDOTTES—Eggs or stock. J. M. Workman, Burlington, N. C. 56

DUSTON WHITE WYANDOTTES—Stock and eggs. Elmer Gmhin, Taylorville, Ill. 45

WHITE WYANDOTTES and Indian Games, Indian Runner and Muscovy ducks. Eggs for sale, \$2.00 per setting. Mrs. J. B. Abernathy, R. 5, Pulaski, Tenn. 51

BROWN LEGHORNS—10 sons 1st prize World's Fair Winner, in use. Eggs \$4.00, 100—Exhibition matings \$5.00, 15. S. S. Smith & Bro. Whitesburg, Tenn. 48

WYANDOTTES—Continued.

RULP'S S. C. Brown Leghorns. Greatest layers on earth. Eggs, \$1.00 for 13. Few as good, none better. J. F. McLure, Union, South Carolina. 48

COLUMBIAN WYANDOTTES for sale—26 pullets, 10 cockerels, the cream of 117 birds, \$12 per trio up, or entire lot for \$130. Birds must prove satisfactory. J. W. Brinser, Manchester, Va. 46

SILVER WYANDOTTES—Will sell 1 Cockerel, 4 Pullets. Pullets layed every day since December. Also 1 Buff Leghorn Cockerel, 5 Hens, 4 Pullets. Either lot a bargain if taken now. Dr. E. C. Hamilton, Abingdon, Va. 46

EGGS WHITE & COLUMBIAN WYANDOTTES 49 **EGGS FOR HATCHING.** 10 **EACH L. HELLER, Binegeton, N. J.** EACH 48

WHITE WYANDOTTES—"Quality Kind." Eggs half price remainder this season. See display ad. this issue. Great bargains, quality considered. D. D. Stude, Box 91, Lexington, Ky. 47

COLUMBIAN WYANDOTTES—My birds won at Richmond, Jamestown, New York this season. Breeding stock at low prices. Circular for stamp. H. D. Brinser, Manchester, Va. 55

WHITE WYANDOTTES, White Guineas, Pekin Ducks, Toulouse Geese, winners at Jamestown, Madison Square Garden, state fair and other shows. Thomas & Coates, Evelyn Heights, Catlett, Va. 55

WHITE WYANDOTTES, BARRED ROCKS, Brown and White Leghorns, prize winners at Jamestown, Nashville, Birmingham, Montgomery. Stock and eggs for sale. Forbes Poultry Yard, New Decatur, Ala. 46

SILVER WYANDOTTES—S. C. White Leghorns, White Plymouth Rocks, (fishels). Vigorous, farm-raised, prize-taking birds. Eggs and stock in season. W. C. Day, Box 600, Greensboro, N. C. 50

POULTRY, all varieties; Eggs and Stock for sale; Stock shipped anywhere on approval. Do not write for cheap stock, we do not sell that kind. H. W. Blanks & Co., New Orleans, La. 52

WHITE WYANDOTTES—Fishel's "World's best" strain, direct, excellent winter layers. Beauty and utility combined. Eggs \$1.50 setting. W. A. White, Hickory, N. C. 48

HOUDANS

HOUDANS—Acknowledged standard of Houdan excellence throughout the West. Large, crested, beautiful birds. Eggs and stock at prices corresponding with highest grade of stock. W. D. Gay, Essex, Ia. 47

RHODE ISLAND REDS

SINGLE COMB Rhode Island Reds. Blue ribbon winners, eggs from high-class matings: \$1.00 and \$2.00 for 15. Eugene Lewis, Pulaski, Tenn. 50

OAK HILL Poultry Farm has for sale eggs from Single Comb R. I. Reds \$2.00 per 15. \$3.00 per 30. No stock for sale. Wyatt, N. C. N. A. Hartsfield. 47

SINGLE COMB REDS—Winners at Minnesota, So. Dak. State fairs and Jamestown Exposition. Cockerels for sale. Eggs in season. J. E. Schutte, Lebanon, S. Dak. 48

CARRIALLY line bred Reds for heavy laying and show winners Hagerstown, Harrisburg, Washington, Richmond. Specialist, old Breeder, D. H. comus, Club Member. Convincing circular. W. Snook, McGaheyville, Va. 47

ROSE COMB Rhode Island Reds, winners at Jamestown Exposition, New York, Boston, Philadelphia, Trenton and wherever shown. Eggs for hatching, send for circular showing matings and winnings. Louis Anderson, Bloomsbury, N. J. 48

ROSE COMB Reds. 1 won at Washington show on five entries: 1st and 2nd cockerel, 1st, 2nd, 3rd pullet. Fine breeding cockerels for sale. Eggs for hatching. Circular. Rex D. McCulloh, Glencoe, Baltimore Co., Md. 48

PIGEONS

HOMER PIGEONS—Thorough-bred, mated and working. Excellent squab producers. Strong and vigorous. \$1.00 per pair. J. F. Holden, Blue Ridge, Ga. 45

PIGEONS! Largest collection in America, all known varieties. Prices free. Illustrated, descriptive book telling all, one dime. Wm. A. Bartlett, Box 10, Jacksonville, Ill. 48

WANTED—5,000 old common pigeons. Pay at least 25 cents pair. Highest prices for Homers, Guinea Fowls, Live Rabbits. "T". Gilbert, 1128 Palmer St., Philadelphia, Pa. 48

JUMBO HOMERS, mating guaranteed, birds will go to work for you right away. \$1.00 per pair, express prepaid on orders for fifty pair or more. Maitland Squab Farm, Maitland, Florida. 48

"NOTES FROM A PIGEON FARM," result of 40 years' experience. Absolute truth about the industry. Valuable to fanciers and squab-raisers. Entirely different from any other pigeon book. Mailed on receipt of 10 cents. Howard Butcher, Box 18, New Britain, Pa. 48

COCHINS

PARTRIDGE COCHINS—Eggs for Sale at Two dollars per setting. The hens are good layers, large size, beautiful form, finest plumage I ever saw. Mrs. Mildred Harris, South Berlin, Tennessee. 48

DUCKS, GEESE AND TURKEYS

WILD MALLARD DUCKS (crossed) great layers and decoys. Twelve eggs \$1. Eddie Rousev, Roadhouse, Ill. 49

30 VARIETIES Geese, Ducks, Chickens. Catalogue free. Minkle & Co., Mapleton, Minne sota. 49

MAMMOUTH TOULOUSE GEESE—Choice breeding stock for sale. Eggs for hatching. Geo. Taylor, Orleans, Indiana. 47

FOR SALE—50 Mammoth Pekin Ducks: 25 Yearling Black Wyandotte hens and cocks. F. C. Sites, N. Dover, Ohio. 49

COOK'S In Ian Runner ducks, the world's heaviest laying strain. Eggs per 12, \$2.00; 24, \$3.75; 30 \$5.50; 100, \$12.00. Twenty breeding pens for 1908. Stock for sale after July 1st. Irving E. Cook, Munnsville, N. Y. 48

FOR SALE—M. B. Turkeys. Eggs, 9 for \$3.00. Young toms, \$5.00; hens, \$4.00 each. White Wyandottes' eggs, 15 for \$2.00. Jacobs & Mason, Beech Grove, Tennessee. 50

LEGHORNS

SINGLE COMB Buff, Brown and White Leghorns. Thoroughbred exhibition stock, bred from best winter layers. 15 eggs \$1.00. S. A. White, Box H, Timberville, Va. 46

FINE bred, Single Comb Brown Leghorn eggs for sale, per setting of 15, one and two dollars. I have kept up with the day in my breeding. Sam H. Carr, Johnson City, Tennessee. 48

ROSE COMB Brown Leghorns. Everlasting layers. Prize winners. 15 eggs for \$1.00. For four settings retain 50c for express: 75c for six; \$1.00 for eight. Jos. Champion, Antwerp, Ohio. 46



S. C. White Leghorn Eggs \$1.00 per 15. Eggs and Wyckoff Strains. Some Cockerels for sale. Write to HERBERT HENRY, 425 S. Main, Winchester, Kv. 48

YOUNG CHICKS—Blanchard, Wyckoff, Single Comb, White Leghorns. Safe arrival, any distance, guaranteed. Choice hatching eggs. High scoring, breeding stock. Circulars C. N. Reynolds, Canton, Pa. 48

POULTRY SUPPLIES

SPRATT'S Dog Remedies, Cyphers Incubator and Brooders. Humphrey Bone Cutters. Conkey's Remedies, all Poultry and Stock Publications, Lee's and Pratt's Goods. Cyphers, Corno, Purina, Peerless Feeds and all poultry supplies at Factory Prices. H. W. Blanks & Co., New Orleans, La. 52

POULTRY BREEDERS—Send 35 cents for a 30 paged monthly devoted to poultry, etc Sample 2 cents. Michigan Poultry Breeder, Battle Creek, Mich., or send 60 cts. and receive Michigan Breeder and The INDUSTRIOUS HEN both one year. 48

DOGS AND CATS

PIT Bull Terrier for sale—Terry, four years old, pure white, 35 lbs., out of Spry Girl, by Robinson Terry. A fighter, quick and game. \$25. Knox Collie Kennels, 617 Gay St., Knoxville, Tenn. 46

SCOTCH Collie Pups for sale, of the best blood in America and from Imported champion and prize winning stock. Tricolor and sable and white from \$10 to \$25 each. Knox Collie Kennels, Knoxville, Tenn. 46

SEVERAL VARIETIES

MAMMOTH Bronze Turkey eggs \$2.50 for 11. Stock scoring 97. White Rock egg \$2.00, 15. E. W. Ringwood, Oxford, Ohio. 46

PURE BRED Narragansett Turkeys, White Holland Turkeys and Chester White Hogs. Minnis Griffith, R. 7, Shelbyville, Ky. 45

GOLDEN SEABRIGHT BANTAMS won three first, two seconds, three thirds at Montgomery, Nov. '07. For prices write Chas. Alley, Midway, Ala. 46

SINGLE COMB White and Brown Leghorns. Rose and Single Comb Rhode Island Reds. Eggs \$1.00 per 15. Oak Grove Poultry Farm, R. 3, Box 92, Fountain City, Tenn. 46

FOR SALE—Mammoth Bronze Turkeys from prize winning stock. A few White Plymouth Rock cockerels. Fishel strain direct Mrs. Jonas Huffman, Plano, Tex. Route 3 48

BRIGHT'S STRAIN Brown Leghorn cockerels, fine. \$1.50 to \$2.50 each. M. B. Turkeys, Ferguson strain, pullets \$3, toms \$5. Mrs. Louis Downer, Guthrie, Ky. 46

TURKEY EGGS—Slate and Narragansett 25c. each, \$2.60 per 11. Muscovy ducks scoring 97, Eggs 15c. each—\$1.60 for 11. Cedar Crest Farm, Wilson, Mgr., Edgewood, Ill. 45

BUFF PLYMOUTH ROCK and S. C. Brown Leghorn pullets and cockerels. Pekin Ducks, and first prize at Virginia State Fair White Holland Turkeys. Laurel Hill Poultry Farm, Roxbury, Va. 46

IF YOU WANT Black Spanish Anconas, Indian Games or Buff Leghorns, the kind that will win for you Send for Circular. Stock for sale. Eggs \$1 for 15. C. E. Wilcox, Federalburg, Md. 50

FOR SALE—25 Fine Rhode Island Red and Silver Laced Wyandotte cockerels and pullets for sale. \$1.00 to \$2.00. Eggs from select pens, \$1.00 to \$2.00 per setting of 15. Satisfaction guaranteed. L. G. Gott, Washington College, Tenn. 49

EGGS, EGGS, EGGS—If you are interested in Barred P. Rocks, Buff Wyandottes, Rose Comb R. I. Reds, Golden Wyandottes, S. C. White Leghorns, Silver Wyandottes, Mammoth Bronze Turkeys. Write to me before placing your order for eggs or fowls. Catalogue free. Alta Vista Poultry Farm, Mrs. R. B. Fray, Prop., Advance Mills, Va. 47

EGGS—From fine prize winning strains. S. C. R. I. Reds, Black Langshans, Barred Rocks, \$1.50 per 15. Reds, special matings, \$2.00 per setting. Have exhibited only once, Birmingham: Five Langshans, 1 Red, no Rocks. Won on Langshans, 2nd cockerel, 2nd and 4th hens, under Judge Marshall Forty-five Reds and twenty Langshans at reduced prices. Mrs. F. O. Hurt, Limrock, Alabama. 46

LASLEY'S High Class Imported Anconas Greatest egg producer on earth. Have taken all the first premiums at the N. C. shows up to date. Cook's strain of S. C. Buff Orpingtons, stock bought direct. Have a very large stock of White Rocks to offer, sired by Madison Square prize winners. Eggs for sale in season. Jas. H. Lasley, Mehane N. C. 45

76 BIRDS in our Breeding Pens. Winners from the Great Jamestown Exposition show 1907; winners at Tennessee State Fair 1907; winners at Rutherford County Show 1907; winners at Nashville, Tenn., and Birmingham, Ala., 1907. If you want winter eggs rear March and April Andalusian and Spanish pullets—the Mediterranean egg machines. Blue Andalusian eggs, 15 to \$3.00, 30 for \$5.00. White Face Black Spanish eggs, 15 for \$2.00, 30 for \$3.50. Lay large white eggs, the kind brings top market in New York market. Thompson & Hawkins Barred P. Rocks for market purpose. 15 eggs for \$1.50, 30 eggs for \$2.50. A. N. Brown, Woodbury, Tenn. 48

MISCELLANEOUS

EGGS AND FOWLS at cut prices. Orpingtons, Plymouth Rocks, Wyandottes, Rhode Island Reds, Leghorns, Minorcas. Large Catalogue Free. Lewis C. Beatty, Washington, N. J. 46

WANTED—Position as manager or asst. manager by experienced poultryman, with college training. Address, Lansing, care of Industrious Hen, Knoxville, Tenn. 47

BEST BROODER on earth. Rivals nature. Make it yourself for \$1. Send for circular and testimonials free. F. L. Malkemus, R1 Davis, Ill. 47

EGGS FOR HATCHING—Black Langshans Anconas, Single Comb Buff and White Leg horns. Won Purina Cup at Harrisonburg Va., show. Address John S. Wenger, Dayton, Va. 51

FOR SALE—Mammoth Bronze Turkeys "Perfection" strain. S. C. Rhode Island Red chickens, the "Jacqueminots." Miss Elizabeth D. Abernathy, Route 2, Pulaski, Tenn. 46

BARGAINS in thoroughbred Beagle Hounds. Buff Orpington, Indian and Pit Game chickens. Eggs \$2.00 to \$5.00 setting. John L. Jolly & Son, Anderson, S. C. 46

SELLING OUT—S. C. Leghorn pullets at 75 cts. Buff Rock Pullets at \$1. W. H. Turkey at \$3. Laurel Hill Poultry Farm, Roxbury, Va. 46

TWO BREEDS—Barred Plymouth Rocks and Golden Polish, Scoring 90 1/2 to 95 1/2. Mated with Cockerels Scoring 93 1/4 and 95 1/4. Eggs, \$2.00 set., 3 set., \$5.00. A. D. Murphy, Essex, Iowa. 48

ALL varieties of High Class Dogs, Angora and Maltese Cats, Pigeons, Rabbits, Cavies, Mice, Pet Stock, Parrots and Canaries shipped on approval. Catalogue free. H. W. Blanks & Co., New Orleans, La. 52

"PHEASANT FARMING," illustrated booklet. 25c. Tells all about pheasant rearing. A profitable and ideal industry for the South. Simpson's Pheasant Farm, Box G247, Corvallis, Oregon. 49

TOO LATE TO CLASSIFY.

WHITE and Barred P. Rocks Eggs for sale at reasonable prices from thoroughbred farm raised stock. Satisfaction guaranteed. Write for prices. C. M. Miller, Telford, Tenn. 46

S. C. REDS from Prize Winners. Bred for beauty and business. Eggs \$1.00 and \$1.50. J. H. Roller, R. 1, Indian Springs, Tenn. 47

PURE bred eggs from Barred Buff and White Rocks, White and Silver Laced Wyandottes, S. C. Buff and White Leghorns, Black Langshans, Black Minorcas, Partridge Cochins and Houdans \$1.00 for 15. Cackling Hen Poultry Co., Grayson, Ky. 49

WHITE WYANDOTTE COCKERELS \$1 and \$2. Single Comb Brown Leghorn, White and Buff Wyandotte eggs \$1 per 15, \$5 per 100. Frederick Shanks, Timberville, Va. 48

FOR SALE—White Leghorn Cockerels. Eggs came from best prize winning stock. Miss India Grigsby, R1, Lannville, Tenn. 45

Don't Subscribe

To any poultry journals, farm papers, magazines, or publications of any character, until you get our special rates. We have reduced rates on practically all the magazines and journals and can quote a better price than you can obtain elsewhere. Address, THE INDUSTRIOUS HEN CO., Knoxville, Tenn.

With poultry, as with other stock, in feeding for growth or to fatten for market it is necessary to feed regularly and all that is eaten up clean, if the largest gain in proportion to the feed supplied is secured.

\$1.000 Traveling Accident Policy free. Stamp for particulars. G. W. Cupp, Mansfield, Ohio.

NOTABLE TENNESSEANS.

A set of six beautiful portrait post cards of some of the men who made the history of Tennessee, printed in photographic brown, will be mailed for 10c in silver or stamps.

THE INDUSTRIOUS HEN CO.

Knoxville, Tenn.

MY SINGLE COMB BLACK MINORCAS

WON
AT KNOXVILLE.

1st Cockerel
1st Pullet—Score 96
1st Hen—Score 96
1st Pen
2nd Pullet—Score 95½
2nd Hen—Score 95

CLUB SPECIALS FOR BEST COCK-
EREL, HEN, PULLET AND PEN.

AT BRISTOL

1st Pullet
2nd Cockerel

AT ASHEVILLE

1st Pullet
2nd Hen
3rd Cockerel

WRITE FOR FREE CATALOGUE.

FRED E. CARTER,
IRWIN AVE., KNOXVILLE, TENN.

BUFF PLYMOUTH ROCKS



LINE BRED

From New York and Chicago

WINNERS

Get my Mating List.

J. C. COMFORT

State V. Pres. Buff Rock Club

KNOXVILLE, TENNESSEE.

PARTRIDGE WYANDOTTES

STOCK AND EGGS FOR SALE

From birds winning as follows. 2d cock, 1st and
2d pullet. Eggs \$1.50 for 15, \$3.00 for 30.

DR. W. L. GATE, Jefferson City, Tennessee.

COLUMBIAN WYANDOTTES

COLUMBIAN WYANDOTTES with proven Show Room merit—unexcelled utility qualities.
EGGS, 1 Setting \$3.00; 2 Settings \$5.00.

H. E. CAIN

Asheville, N. C.

THE THOMAS CONVERTIBLE BROODER.

We take pleasure in calling the attention of our readers to the advertisement of "The Thomas Convertible Brooder," which is found in this issue.

The practical and helpful feature is the ability to use this brooder either for one or two breeds, of from 50 to 100 chicks each, by a very simple contrivance which enables one to make the change instantly, using it as either one single brooder with a floor space 3x6 feet, or two single brooders 3x3 feet.

Poultrymen who in the past have been in a cramped condition by reason of having more chicks than brooder capacity will appreciate this point—we say one point, because there are others equally as valuable. This brooder only requires an ordinary brooder lamp to heat, thereby doing twice the work with no extra cost for heating, to say nothing of the labor saved in lamp attendance, filling, trimming, etc., by making one lamp do duty for practically two brooders.

Mr. Thomas has certainly acted wisely in deciding to put the plans and specifications on the market instead of manufacturing the brooder and selling the manufactured article.

There is a tremendous demand for plans of a good practical brooder, one that stands in the front rank for practical, efficient, and economical work and is at the same time simple to construct, as the "Convertible" certainly is—in fact, Mr. Thomas says there are absolutely no metal pipes or fixtures; nothing to make it complicated or costly.

We feel that Mr. Thomas is filling a long-felt want, and we unhesitatingly advise our readers to get a set of these plans. There will be many days this winter when one has the time and opportunity to make what brooders they may need for the coming season. H. J. Thomas, Dept. A., 24 Bedford Court, Detroit, Mich.

Dropped the Wrong One.

The Industrious Hen, Knoxville, Tenn.

Gentlemen—As I found that I was subscribing to a good many poultry papers and could not give them all due attention, I thought that I had better drop some, one of which was *THE INDUSTRIOUS HEN*. I find that it was a mistake. So will thank you to re-enter me in your mailing list. I will avail myself of your offer of the *N. Y. Tribune Farmer and The Hen* for \$1.00, for which please find check enclosed.

Please begin with this month's number and oblige, yours truly,

LION DESPLAND
Daytona, Fla.
Feb. 17, 1908.

Licensed Poultry Judges.

Below is a list of Licensed Poultry Judges of the American Poultry Association. Send \$2 and we will insert your name and address under this head for one year:

Chas. V. Keeler.....	Winamac, Ind.
S. T. Campbell.....	Mansfield, Ohio
Clarence W. King.....	Romulus, N. Y.
John Dudley.....	Emporia, Kansas
O. P. Greer.....	Bourbon, Ind.
A. B. Shaner.....	Lanark, Ill.
Phil Feil.....	Canal Dover, Ohio

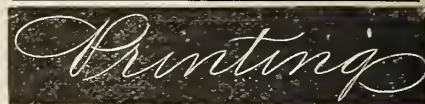
It Tastes Just the Same.

"You say you were in the saloon at the time of the assault referred to in the complaint?" asked the lawyer.

"I was, sir."

"Did you take cognizance of the bar-keeper at the time?"

"I don't know what he called it, but I took what the rest did."—*June Lippincott's*.



FOR POULTRYMEN

When in need of Letter-Heads, Envelopes, Note-Heads, Shipping Tags, Business Cards, Post Cards, Circulars, Folders, Etc. Get our samples and prices before you place your order. **FINE CUTS USED.** We pay the Express charges. Samples cheerfully sent FREE. (Mention your breed.)
W. A. BODE PRINTING CO. BOX 176. FAIR-HAVEN, PA.

S. S. HAMBURCS

Stand in the front ranks for beauty and eggs, laying the year round; a medium white egg. Our birds have been bred for years from high scoring, heavy laying ancestors. Prices, eggs, \$2.50 for 15; \$4.50 for 30 from choice matings. Also a few cockerels for sale. We deal on the square. R. F. D. No. 6, Box 18.
CORUM BROS.. RUTLEDGE, TENN.

"SEIGFRIED"

The grandest champion Buff Orpington ever shown. Always wins! Has produced a strain of Blue Winners and Heads a pen of prize winners containing Madison Square Garden winners, which will win again. Young stock and eggs from this pen for sale.

MRS. S. C. BRIDGEWATER,
DIXON SPRINGS, TENN.

SO YOU WANT LAYERS?

GREATEST ALL PURPOSE FOWL
SINGLE COMB RHO.E ISLAND

REDS

QUICK GROWERS. HARDY. WELL
MATED PENS OF HEAVY LAYING
REDS, TRAP-NESTED.

ECCS

\$1 50 PER 15 \$2 50 PER 30

G. W. MARTIN,
Route 6. LEBANON, TENN.

EGGS FOR HATCHING

FROM

White Plymouth Rocks of Quality

"FISHEL" STRAIN.

"The best in the world." They are "correct" in every way. They are "the kind that's different. Beautiful illustrated circular and mating list tells the rest. Write

PLUMMER McCULLOUGH,
White Plymouth Rock Specialist.

Box A., Mercer, Pa.

SOMETHING TO CROW ABOUT

HEN-E-TA BONE-GRITS

NO OTHER BONE NEEDED | NO OTHER GRIT NEEDED

NO MORE BONE CUTTERS NEEDED

100LB. BAG \$2.25 | 200LB. BAG \$4.00

ALSO SMALLER PACKAGES

BIG DISCOUNTS IN QUANTITIES

HEN-E-TA BONE CO.

NEWARK, N.J. DEPT. 6 - L. EMINGTON, W. VA.

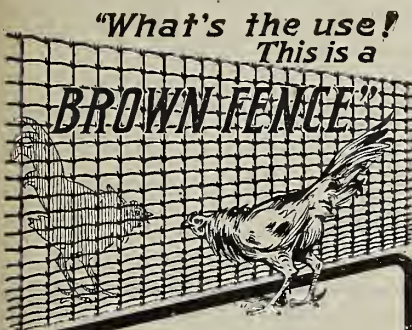
WILL MAKE CHICKS GROW

WILL MAKE HENS LAY

VALUABLE BOOKLET FREE

ADDRESS

"What's the use? This is a BROWN FENCE"



Poultry Fence

BROWN HEAVY-WEIGHT POULTRY FENCE does not cost one-half as much as the common chicken netting, yet will last five times as long.

Size of Wires. The top and bottom wires are No. 9 gauge—same size as nearly all stock fences. Intermediate and stay wires in same proportion.

Quality of Wire. All material used in Brown Poultry Fence is best grade of High Carbon, Double Strength Spring Steel Wire. The Galvanizing is the heaviest and best possible. All wire is subjected to careful inspection and acid tests before being made into fence.

Construction. Very closely woven, and a sure protection against marauding animals. Your poultry is safe from everything when enclosed with Brown Fence. Built of material heavy and strong enough for horses and cattle. Wires cannot possibly slip.

Saving in Cost. With a No. 9 top and bottom wire you can save at least one-half the posts, and besides you require 10 top railing or bottom boards. These items alone usually cost more than the fence.

Price. Our prices are less than common netting costs. We pay the freight and guarantee safe delivery to your nearest railway station.

Guarantee. We guarantee every rod of our Poultry Fence. Every customer who buys this fence and does not find it entirely satisfactory and fully up to his expectations is at liberty to return the same at our expense.

Before buying Poultry Fence get our catalog and investigate the many superior qualities of our fencing. We have 144 styles of fencing—a fence for every purpose. Write today.


The Brown Fence & Wire Co.,
Cleveland, Ohio.

FAVORITE TRAPNESTS

Are the best. Handy, accurate and compact. Guaranteed to satisfy or your money back. Price 75c each. Send stamp for circular.

WALTER P. BAYNE, SALEM, IND.

PRIZE WINNING S. C. Black Minorcas



A grand lot of choice exhibition stock and egg producers for sale, including an especially fine lot of standard weight cockerels for all purposes. TRY ONE to mate with your flock and notice the increase in egg production.

Am ready to book orders now for eggs from five grand matings for hatching.

State your requirements plainly and I will quote you rock bottom prices on high class stock.

CHARLES G. PAPE

1617 N. Cass St. Fort Wayne, Ind.

Member Am. Minorca Club and Am. Poultry Association.

Knoxville Show Dec. 9 to 12, 1908

With President T. E. McLean in the chair, John A. Jennings was elected secretary of the East Tennessee Poultry Association at the meeting of the directors held on the 8th inst. and F. J. Marshall, of Georgia, and N. L. Hutchinson, of Mississippi, were elected as judges of the show, December 9 to 12, 1908, both being men of high standing and world's fair judges. Judge Marshall, in a recent contest, was voted the most popular Southern judge by a vote of the poultrymen all over the South. Judge Hutchinson is up in the business and a breeder of Plymouth Rocks, and well posted on all classes of birds and will judge the American class while Judge Marshall will take the Mediterranean class.

The annual report of John T. Oates, secretary and treasurer, was read, showing the recent show had been a success and the association still had funds in the treasury, notwithstanding the heavy expenses of the past year. John T. Oates, the retiring secretary would not accept the position. The committee on the selection of a secretary recommended John A. Jennings, who was elected by acclamation.

President McLean recommended that the constitution and by-laws of the association be changed to meet the demands of the present organization. This will provide for some change in powers delegated to the committees, also for other business details not in the present instrument. The motion carrying, the committee appointed by the chair was Sam M. Cooper, chairman, E. E. Carter and J. T. Oates. On the appointment of this committee the chairman offered a motion which was carried, to the effect that the president and executive committee of the organization be made ex-officio members of the committee to reconstitute the by-laws and constitution.

The breeders of Rhode Island Reds, met after the adjournment and organized a state club of Single Comb Rhode Island Red breeders under the National Single Comb Rhode Island Red Club.

S. M. Cooper was elected president and J. A. Dinwiddie, of New Market, secretary. The president was empowered to name an executive committee consisting of seven persons.

Bristol-Virginia-Tennessee Poultry Association.

As a result of the large and successful show held in December an enthusiastic meeting was held at which the following officers were elected:

J. C. Adams, president, Bristol, Tenn.; T. L. Bayne, vice-president, Russellville, Tenn.; J. O. Lewis, vice-president, Johnson City, Tenn.; R. P. Adams, vice-president, Lynchburg, Va.; Mrs. G. H. Dugdale, vice-president, Roanoke, Va.; W. H. Cochran, secretary-treasurer, Bristol, Tenn.-Va.; L. S. McGhee, assistant secretary, Bristol, Tenn.-Va.; W. G. Griffin, superintendent, Bristol, Tenn.-Va.; N. W. White, assistant superintendent, Bristol, Tenn.-Va., and December 16, 17, 18, 19, 1908 were selected as dates for holding the 5th annual show. A large number of new members were added and prospects for a great show are fine. Some silver cups have already been offered and the premium list for this show will be a great one. Bristol is an ideal situation for a show town and now that the people are taking an interest the show is an assured success.

There is nothing in the horizon to dishearten the sheepman. Wool is at a good price, so is mutton and lamb, and all will be for a long time to come.



**...SINGLE COMB BROWN LEGHORNS...
STRAWBERRY HILL POULTRY YARDS**

I. DAVENPORT WILLIAMS, Prop. and Supt.
Box 287 Richmond, Va.

Mem. Am. S. C. B. Leghorn Club and Va. Poultry Association.

At Richmond Jan. 9-15, (Wittman Judge), 1st Cockerel; 1st, 2nd, 3rd and 4th Pullet. 8 Specials, including two Silver Cups for best display in class offered by Am. S. C. B. Leghorn Club and Va. Breeders. At Jamestown, 4th Pen, 5th Cockerel on immature birds. Also Highest Awards Va. State Fair and Richmond 1906. Eggs from Exhibition matings, both cockerel and pullet line \$3 per 15, \$5 per 30, \$7 per 50, \$10 per 75, \$12 per 100. From Utility matings \$1 per 15, \$6 per 100. Two-thirds hatch guaranteed or number of eggs duplicated at half price. Stock for sale at all times.

**BLUE RIBBON BUFF LEGHORNS
THEY WIN. THEY LAY. THEY PAY.**

I believe I have the best Buff Leghorns in the South. They are buff to the skin, the best blood, farm raised, lay unusually well, the best for business or for show. They have won wherever shown. At Richmond, 2 firsts, 2nd, 3rd and 4th out of six shown. At Bristol, Dec. '07, four firsts, five other prizes, cups for best in Mediterranean class and Industrious Hen cups for best exhibit in whole show. Eggs, best matings, \$3 for 15; next best, \$2 per 15.

ROBT. T. ADAMS, R. F. D. No. 1. LYNCHBURG, VA.

The Country's Need.

"I say," said the old lady with the high-pitched voice, as the jerk-water slowed down at Grigsby Station—"I say, what is all this fuss about educatin' boys to be civil engineers? The thing this 'ere country really needs is a few civil conductors, and less sassy brakemen."
—October Lippincott's.

"The Whole Thing in a Nutshell."



**200 Eggs
A YEAR
PER HEN**

How to Get Them

The sixth edition of the book, "200 Eggs a Year Per Hen," is now ready. Revised, enlarged, and in part rewritten. 96 pages. Contains among other things the method of feeding by which Mr. S. D. Fox, of Wolfboro, N. H., won the prize of \$100 in gold offered by the manufacturers of a well-known condition powder for the best egg record during the winter months. Simple as a, b, c—and yet we guarantee it to start hens to laying earlier and induce them to lay more eggs than any other method under the sun. The book also contains recipe for egg food and tonic used by Mr. Fox, which brought him in one winter day 68 eggs from 72 eggs; and for five days in succession from the same flock 64 eggs a day. Mr. E. F. Chamberlain, of Wolfboro, N. H., says: "By following the methods outlined in your book I obtained 1,496 eggs from 91 R. I. Reds in the month of January, 1902." From 14 pullets picked at random out of a farmer's flock the author got 2,999 eggs in one year—an average of over 214 eggs apiece. It has been my ambition in writing "200 Eggs a Year Per Hen" to make it the standard book on egg production and profits in poultry. Tells all there is to know, and tells it in a plain, common-sense way.

Price 50c, or with a year's subscription to THE INDUSTRIOUS HEN, 75c; or will be given free for two yearly subscriptions at 50c each.

The INDUSTRIOUS HEN CO.
KNOXVILLE, TENN.

DON'T-RUST POULTRY FENCE

Old-fashioned galvanized—therefore can't rust. 40-Carbon Elastic Spring Steel Wire. 30 Days' Free Trial. Best and strongest. Turns stock as well as poultry. Send for Free Catalog No. 25. Address The Ward Fence Co., Box 232 Decatur, Ind., also manufacturers of Oranmenal Wire and Ornamental Steel Ficket and Don't-Rust Farm Fence.

LOW PRICES ON

Coiled Spring Fencing. Bull-strong Chicken-tight. Sold on 30 days free trial, we pay the freight. 100 pages catalog free.

KITSELMAN BROS. Box 253, PRINCIE, INDIANA.

Hatched His Chickens in the Hay Mow.

The H. M. Sheer Co., Quincy, Illinois, received a letter the other day which tells a most novel story. It is so unusual and interesting we reprint it for the benefit of our readers. The writer of this letter is Mr. John Waser of Beacher, Illinois:

"I will tell you what I have done with this wonder of mine. A farmer had advised me to buy a machine of another firm. He said the machine cost \$41.00, and the reason they charged so much money for it, was because it was the leading machine on the market, but I didn't think so. I bought the machine I thought was the best. It was three weeks later, my neighbor burned out, the cause being incubator lamp exploded. I went to him a few days after and told him I had a machine that would run in the hay mow of a barn, and I would guarantee I would not have to stay with the machine from start to finish, except to go in and attend to the eggs; so he bet me \$10.00 that I could not do it, and it was done. The machine was set in the hay barn with hay all around it. Just room enough for me to get in and out again, and the hatch was run successfully with no damage done to hay or barn. He will be one of your new customers this spring. Since that test my machine is very popular in this neighborhood, and you will have quite a few customers in this locality this spring. I expect my brother, Mr. Leo Waser, has sent you for a machine by this time, or if he hasn't, he will send for one, as he witnessed the test also. Wishing you great success, I remain,

Yours respectfully,

JOHN WASER, Beacher, Ill."

NOTE:—Mr. Waser built his machine from plans and fixtures purchased from H. M. Sheer Co., Quincy, Ill. Their advertisement offering plans free is elsewhere in this issue. Look it up—it will pay you to send for them.—[EDITOR.]

Taylor's Houdans.

Dr. G. W. Taylor of Orleans, Indiana, breeder of Houdans, has made some remarkable winnings during the past season. He won 1st on cock at the recent Chicago show this same cock already being a blue ribbon bird, having already won 1st at Boston in 1907 as cockerel. Dr. Taylor also won 1st, 3rd and 4th hen, 3rd cockerel and 2 pen at the Chicago show. His exhibit of hens was remarkable in quality, his blue ribbon hen being almost ideal in the Houdan fancy. This hen and 9 others, which he says are just as good, will comprise his 1st pen which will be headed by 1st Chicago cock. This will be without doubt the best mating of this breed in America. Dr. Taylor also made almost a clean sweep of prizes at Indianapolis and St. Louis. At the former place won 1 ck, 1, 2, hen, 1, 2 pul, 1 ckl, 1 pen and at the latter 1 ck, 1, 2 hens 1, 2 pullet, 1 ckl.

Send for his catalogue of winnings and matings.

Tedferd's S. C. Black Minorcas.

Here is a Southern breeder who has won wherever shown this season, with a total of 87 prizes; first prize breeding pen at seven out of nine shows, also second prize at each place where two pens were entered. At the same time he showed at Knoxville and Nashville, and the birds being shipped to and from more than a dozen shows had feathers broken and were otherwise out of condition. Over thirty Minorcas won in breeding pens are prize winners. This is surely a record to be proud of and will be hard to beat. Write to C. A. Ledferd, 81-83 Whitehall St. Atlanta, Ga., for mating list and other information.

Mishler's Minorcas.

Mishler's Rose Comb Black Minorcas are coming to the front. A beautiful new catalog just received shows certainly some beautiful prize winners, and if you want one send 4 cents to cover postage, to Lloyd C. Mishler, North Manchester, Ind.

The Southern Dog Fancier.

Is the name of a monthly illustrated publication just issued at Atlanta, by Mr. Arthur C. Wilson, a reputable dog fancier and one of the best judges in the South. Send for a sample copy.

Hatch Chickens by Steam

with the

**EXCELSIOR
INCUBATOR**

OR **WOODEN HEN**

Economical and perfect hatching. Absolutely reliable and self-regulating. Thousands in use to-day.
GEO. H. STAHL, Quincy, Ill.



Send for free catalogue.

BLACK LANGSHANS PRIZE WINNERS

My birds have won at Jamestown, Bristol and Knoxville this year. Knoxville winnings on eight birds: 1st cockerel, 1st, 2nd and 3rd hen; 1st, 2nd and 3rd pullet; 1st pen and special for highest scoring pen, any breed. If you want the best order your eggs now. Eggs, \$2.00 per setting.

T. C. ADAMS,

BRISTOL-VA-TENN.

S. C. BUFF LEGHORNS (BEUERLEIN WYCKOFF) Strains.

Winners at Louisville and other shows, scoring 91 to 94 1-4. All yards carefully mated. Eggs \$1.50 per 15.

P. M. BROWN

ST. MATTHEWS, KY.

How About Maturing Pullets—Your Pullets

Did you succeed last year in getting your pullets to laying in the fall? I can help you in this if you will let me. I have had hundreds of students the past two years in all the needs of poultrymen for practical help. These lessons have been printed in convenient form—handy, short—and are mailed in a single package for one dollar. Covers one year's work with chicks and hens.

DR. N. W. SANBORN, Box H, BELLINGHAM, MASSACHUSETTS

...SUNFLOWER POULTRY YARDS...

KENTUCKY RINGLETS

Stock direct from Thompson, whose famous "Ringlet" strain leads among Barred Plymouth Rocks. My stock is farm grown, fine and vigorous. A few yearling breeders, cockerels and pullets for sale. Eggs at \$1.50 per 15.

MRS. M. E. ALMY,

Box A.

ALTAMONT, KY.

* COLUMBIAN WYANDOTTES *

We won special for best collection at Madison Square Garden, New York, 1906 and 1907; Clive H. Owen won special for best collection at Chicago, 1906 and 1907. We bought all his best old and young birds and have to-day as fine a lot of Columbians as any breeder in the world. Hundreds of old and young birds for sale. Remember Columbians will be money-makers for the next twenty years. Write for prices.

AUG. D. ARNOLD, Box 939, DILLSBURG, PA.



Fruit and Ornamental Trees of Any Description

PECANS OUR SPECIALTY

Illustrated and descriptive catalogue free if you mention this paper. Write now.

ARCADIA NURSERIES, J. H. Girardeau, Jr., Mgr., MONTICELLO, FLA.

SOUTHERN FARM LOCATIONS AND INDUSTRIAL INVESTMENTS

GRAIN FARMS
COTTON FARMS
DAIRY FARMS

POULTRY FARMS

FRUIT FARMS
HAY FARMS
TRUCK FARMS

In the States of

Virginia North Carolina Georgia Alabama
Tennessee South Carolina Kentucky Mississippi

FINE CLIMATE, GOOD MARKETS, AMPLE RAINFALL, CHEAP FUEL

OPENINGS FOR INDUSTRIES

Lumber Lands, Coal Lands, Stone Lands, Iron Ore Lands

FACTORY SITES

I. Close A sociat on with Water Power. Fuel and Raw Material.

Information about any part of the South and any kind of business furnished free by addressing M. V. RICHARDS, Land and Industrial Agent, Washington, D. C.; W. L. HENDERSON, Southern Agent, Equitable Bldg., Atlanta, Ga.

Show Winnings

Goodlettsville Poultry Show.

With about 400 birds on exhibition was a great success as well as surprise to many who attended. The editor of THE HEN acknowledges a pressing invitation from the accommodating and efficient secretary, Rev. R. E. Travis, and only a previous engagement and urgent business prevented his attendance. The quality of the birds was most excellent—the Rhode Island Red, Rocks, Wyandottes and Orpingtons being especially in evidence. Dr. Travis, secretary, and Mrs. H. A. Utley, treasurer, deserve special mention for the splendid arrangement of affairs and the pleasant air that pervaded the entire show. The following prizes were awarded by Judges Jones and Murkin, who were especially honored by an elegant dinner served by Mesdames R. E. Travis, H. A. Wiley, W. B. Myers, A. R. Mathes, Martha House, Ella Payne, Britton and Misses Aileen Mathes and Nora Wright.

Barred Rocks.—Mrs. Annie Roscoe, 3 ck. Mrs. Evans Grizzard, 5 ckl. R. L. Warmack, 1, 3 pul, 2 hen, 2 ckl, 1 pen. Mrs. Allen Dorris, 1 ckl, 1 hen, 2 pul, 2 ck, 4 ckl. Herschel Graves, 2 ckl, 4 pul, 3, 4 hen, 3 pen.

W. P. Rocks.—Mrs. Lula Mathes, 2 ck, 2, 3, 4 hen, 3 pen. Howard N. Travis, 1 ckl, 5 pul, 1 pen. C. W. Robb and R. H. Holt, 1, 2, 3, 4, 5 pul, 2, 3, 4 ckl, 2 pen.

S. C. R. I. Reds.—F. M. Bass, 1, 3 ckl, 2 pul, 1 pen. E. L. Gregory, 1, 4, 5 pul, 2 ckl, 2 pen. Robb & Holt, 4 ckl, 3 pul, 3 pen. Horace Galbreath, 5 ckl, 5 pen. Carl Connell, 4 pen.

R. C. R. I. Reds.—Charles Smiley, Jr., 1 ck, 1, 2, 3 pul, 1 pen.

Buff Orpingtons.—W. B. Meyers & Son, 1, 2, 3, 4, 5 pul, 2, 3 ckl, 1 pen. Carl Connell, 2 hen, 2 ck, 2 pen. O. W. Kizer, 3 hen, 3 ck.

B. Orpingtons.—W. B. Myers & Son, 1, 2, 3, 4, 5 pul, 1, 3 ckl, 1 pen. Horace Galbreath, 2 ckl, 3 pul.

Buff Plymouth Rocks.—Chas. Cartwright, 1, 2, 3, 4 pul.

Light Brahmas.—Mrs. J. W. Cunningham, 1 ck, 1 pul.

W. Wyandottes.—Miss Nora Wright, 2 ckl, 1, 2, 3, 4 hen, 1 ckl, 3, 5 pul, 1, 2 pen. Mrs. Dan Dorris, 3 ckl, 2, 4 pul.

Golden Wyandottes.—J. J. Kemper, 1, 2, 4, 5 pul, 1 ckl, 1 pen.

W. Orpingtons.—R. G. Connell, 2, 3 pul.

Black Langshans.—Mrs. H. A. Utley, 1, 2, 3, 4, 5 pul, 1, 3 ckl, 1 ck, 1, 2 pen. Hubert Cunningham, 2 ckl.

S. C. B. Leghorns.—Mrs. Clayton Dorris, 2, 3 pul, 1, 3 ck, 1 hen, 1 pen. Jadie Buck, 2 ck.

Buff Leghorns.—John R. Smiley, 1 ckl, 1, 2, 3, 4 pul, 1 pen.

S. C. W. Leghorns.—Jessie Dillard, 1 ck, 1 hen.

S. S. Hamburgs.—A. C. Dale, Jr., 1 ck, 1, 2 pul.

Pit Games.—W. J. King, 1 stag, 1 hen, 1 pul.

Buff Cochins.—Miss Mary Ella Joseph, 1 ckl, 1 pul.

Bourbon Red Turkeys.—Mrs. Evans Grizzard, 1 tom, 1 hen.

White Holland Turkeys.—Mrs. Evans Grizzard, 1 tom, 1 hen.

Toulouse Geese.—Miss Nora Wright, 1.

Pekin Ducks.—Robb & Holt, first.

Rouen Ducks.—Eunice Connell, 1 ckl, 1 pul, 1 pen. Mrs. H. A. Utley, 1 ckl, 1 hen, 1 pen.

Indian Runner Ducks.—Chas. Cartwright, 1 ck, 1 pul, 1 pen. Cbas. Joyner, 2 ckl, 2 pul, 2 pen.

W. Guineas.—Mrs. R. E. Travis, 1 ckl, 1 pen.

Homer Pigeons.—Mrs. O. C. Cunningham, 1.

Black Langshan Hen and Brood.—Mrs. H. A. Utley, first.

Greenfield, Tenn., Poultry and Pet Stock Association.

White Rocks.—J. H. Drewry, 1 ck, 3 ckl, 1, 2, 3 pul, 1, 2 hen, 1 pen. W. S. Pope, 1, 2 ckl.

White Wyandottes.—E. B. Ervin, 1, 2, 3 pul, 1, 2 hen, 1 ckl, 1 pen. McUmbur Poultry Yards, 2 ckl, 2 pen.

R. C. Buckeye Reds.—E. F. Trimble, 1, 2 ckl, 1, 2, 3 pul, 1, 2 hen, 1, 2 pen.

R. C. R. I. Reds.—E. F. Trimble, 1 ck, 1 ckl, 1, 2, 3 pul, 1, 2, 3 hen, 1 pen.

R. C. S. S. Hamburg.—E. F. Trimble, 1 ck, 1 ckl, 1, 2 hen, 1, 2 pul, 1 pen.

Buff Leghorns.—E. F. Trimble, 1 ckl, 1, 2, 3 hen, 1 pen.

Black Langshans.—McUmbur Poultry Yards, 1 ckl, 1 hen, 1, 2, 3 pul, 1 pen.

B. Tailed Jap. Bantams.—E. B. Ervin, 1 ck, 1 hen, 1 ckl, 1 pul.

Bronze Turkeys.—K. C. Allen, 1 ck, 1 ckl, 1 hen, 1 pul.

Pekin Ducks.—G. H. Drewry, 1, 3 drake, 1

tie duck, 3rd duck. J. H. Drewry, 1 duck tie, 1 young duck tie, 1, 2 drake, 2 young duck.

Embden Geese.—E. F. Trimble, 1 pr. J. E. Edwards, 2 pr.

Toulouse Geese.—McUmbur Poultry Yards, 1 pair.

Buff Orpingtons.—Kelly & Menzies, 1, 2 hen, 3 ckl, 1, 3 pen. Hamilton Sharp, 2 ckl. G. H. Drewry, 2, 3 ck, 2 pen. R. E. Dolan, 3 hen. P. B. Nowlin, 3 pul. A Sparks, 1 ckl, 1, 2 pul.

Brown Leghorns.—Hoyt V. Drewry, 1 pen, 1, 2, 3 hen, 3 pul, 1, 2 ckl, 1, 3 ck. W. A. Caudle, 2 pen, 1, 2 pul, 2 ck, 3 ckl.

White Leghorns.—Hoyt V. Drewry, 1, 2, 3 pen, 1, 2, 3 pul, 1, 2, 3 hen, 1 ck.

Buff Wyandottes.—Hoyt V. Drewry, 2nd ck, 1, 2, 3 ckl. R. C. Richie, 1, 2, 3 pul, 1 hen, 1 ckl, 3 ck, 1 pen.

B. P. Rocks.—J. H. Drewry, 1, 2 hen, 3 ckl, 3 pen. Kelley & Menzies, 1 pul, 3 ck, 2 pen. Kimery Bros, 2 ckl, 1 pen.

S. C. R. I. Reds.—T. H. Woodward, 1 ckl, 2 ck, 3 pul, 3 pen. R. E. Perry, 1 pul, 3 ck, 2 pen. W. H. Dolan, 1 ck, 2 hen, 2nd ckl, 2 tie pul, 1 pen. Mrs. Ida Earls, 3 ckl. W. E. Hatcher, 3 hen.

J. H. Drewry won a cup for the highest scoring bird in show. Hoyt V. Drewry won the \$25.00 loving cup offered by The Leghorn Farm for the largest and best display of the Mediterranean class. Also the \$25.00 loving cup offered by the Greenfield Poultry and Pet Stock Association for the largest and best display of any and all breeds.

Pickens, S. C. Show.

The first annual exhibition of the Pickens Poultry, Pigeon and Pet Stock Association was held at Pickens, S. C., Dec. 19, 20, 21, 1907.

The awards given were as follows:

Columbian Wyandottes.—Thos. E. Keitt, 1 ckl, 1 hen.

White Wyandottes.—B. F. Robertson, 1 ck,

1, 2 hen, 1 ckl, 1, 2, pul, 1 pen. Mrs. J. N. Hallum, 2 ck, 3 hen. E. Tripp, 3 ck. C. M. Bowen, 2 ckl. E. M. Smith, 3 pul.

B. P. Rocks.—Cureton, 1 ckl.

White Plymouth Rocks.—W. M. Steel, 1, 2 hen, 1 ckl, 1, 2 pul. J. B. Ellison, 1 ck, tied on 1 hen, 3 hen.

Bar. P. Rocks.—B. T. McDaniel, 1, 2 hen, 1 ck. Burns & Hendricks, 1 ckl, 1, 2, 3 pul, 2 ck. E. M. Smith, 3 ckl.

S. C. R. I. Reds.—George Williams, 2 ckl, 1 pul. E. H. Craig, 1 ckl, 1, 2 hen. C. G. Voight, 2 pul, 3 ckl, 3 hen.

Silver Laced Wyandottes.—Burns & Hendricks, 1, 2 pul.

Buff Cochins.—D. B. Finney, 1 pul, 1 ckl.

American Dominos.—Willie Thompson, 1 ckl, 1 pul.

Silver Spangled Hamburgs.—D. F. Hendricks, 1 ckl, 1 pul.

Cornish Indian Games.—W. A. Bruce, 1, 2, 3 ck, 1, 2, 3 hen, 1 ckl.

Brown Leghorns.—N. O. Cothran, 1 ckl, 1 hen, 1 pul. Gardner Freeman, tied on 1 ckl, 2 pul.

Buff Orpingtons.—H. L. Coe, 1, 2 ck, 1, 2, 3 hen, 1, 2, ckl, 1, 2 pul.

White Leghorns.—Mrs. J. N. Hallum, 1 ckl, 1 hen. George Williams, 1 ck, 1, 2 pul. W. F. Arvel, 2 hen, 2 ck.

Buff Leghorns.—J. M. Hughes, 1 ck, 1, 2, 3 hen, 1 cockerel, 1, 2, 3 pul.

Black Minorcas.—Mrs. M. F. Hester, 1 ckl, 1 pul. Mrs. A. E. Gilreath, 1, 2, 3 hen.

Monroe, N. C. Poultry Show

Was a big success—a crowning success—probably the best held in the state. A large attendance was had every day. Among those who won prizes were:

Buff P. Rocks.—W. B. Alexander, 1, 2 ck; 2 hen; 1, 2, 3, 4 pul. Huntley & Liles, 3 ck, 1, 3, 4 hen.

Bar. P. Rocks.—A. J. Rohr, 1 ck, 1, 3 hen;

Here We Are--and Have Come to Stay.

A. N. BROWDER,

Proprietors

MRS. BELL WEBB TYLER,

"THE PINES" POULTRY FARM

— Breeders of —

S. C. WHITE LEGHORNS AND S. C. BUFF ORPINGTONS

We have stocked our farm with the best stock money can buy regardless of price, from America's best breeders. Breeders who win everywhere, regardless of competition, and we are going to supply our customers as an introduction, with eggs this season. S. C. W. Leghorn, \$1.50 and \$2.00 per 15, or \$8.00 per 100. S. C. Buff Orpington, \$2.50 per 15, or \$12.00 per 100. And positively guaranteed fertile and satisfactory. If bought from other breeders would cost you from \$3.00 to \$5.00 per sitting. If you want eggs from good stock please give us a trial. We can sell a few bargains in stock this season. Order direct from this ad. or write to

"The Pines" Poultry Farm

A. N. BROWDER, Gen. Mgr.

Anniston, Ala.



"SOARING HIGH" IN THE SOUTH THIS TIME! WHAT! "RINGLET" BARRED PLYMOUTH ROCKS, OF COURSE.

E. B. THOMPSON'S CELEBRATED STRAIN.

My winnings at the Virginia Poultry Association Show, Richmond, Va., Jan. 1908, were 1st and 3rd prize cock, 1st and 3rd prize hen, and 1st prize pen. I breed for high quality, not quantity. My birds are of large size, vigorous and beautiful, and as egg producers they have no superiors. Eggs from fine exhibition matings, which include my prize winners, \$2.00 for 15. Some nice breeding cockerels, \$5.00 each. Good breeding pullets, \$2.00 each. Send for mating list. Satisfaction guaranteed. Address

LESLIE H. McCUE, Box 3, AFTON, VA.

Member of Virginia Poultry Association and American Plymouth Rock Club.

1893

H. C. AUSTIN, 307 Payne Ave., KNOXVILLE, TENN.

1907

IS STILL IN THE FIELD WITH HIS PRIZE WINNING

WHITE AND BLACK LANGSHANS

I will give \$3 for highest scoring cockerel and \$2 for second, raised from eggs bought of me in 1908 to be exhibited at the Knoxville Show 1909. Eggs \$3 and \$5 per setting of 15. A few more fine birds yet for sale.

S. C. BLACK MINORCAS

TRAP NESTS

Nothing but the best birds used in my breeding pens. Orders booked now. Ship safely any distance. Satisfaction guaranteed. Write for circular and mating list. Eggs from best pens \$2.00 for 15, other pens (fine) \$1.50 for 15.

HILLCREST POULTRY FARM,

BARRED PLYMOUTH ROCKS

DOUBLE MATING

R. C. McCANTS, Ninety Six, S. C.

"BLACK BEAUTY" STRAIN ROSE COMB BLACK MINORCAS

PRIZE WINNERS

Large birds, greatest layers. Several choice cockerels for sale at from \$3.00 to \$5.00 each—bargains. Winnings: Bristol, Tenn., Dec. 1907, 1 and 2 cockerels, 1, 2, 3 pullets, and first pen. Knoxville, Tenn., Jan. 1908, 3 and 4 cockerels, 1, 2, 3, and tie fourth pullets, and first pen. Mated to these prize winning pullets is a 9 pound cock, perfect shape and excellent color. Eggs at \$3.00 per 15, or \$5.00 per 30. Guaranteed to hatch. Satisfaction or your money back.

J. O. LEWIS

Johnson City, - Tennessee

JACK'S

"ROYAL REDS" SINGLE COMB RHODE ISLAND REDS.

BLUE RIBBON WINNERS
Bristol and Knoxville 1906-07.

The Most Popular Breed. All Stock Sold. Big Demand for Eggs. Booking orders at \$2 per 15. Place your order early. Good Hatch Guaranteed.

M. JACKSON,
JOHNSON CITY, - TENN.
Member National S. C. R. I. Red Club and State Club.

BRED TO LAY WHITE WYANDOTTES

By mating our best layers to males from hens with records of 204 to 247 eggs in one year, we have developed in our strain, an inherited capacity for large egg production which makes them persistent layers the year around. Our circular tells more about them.

C. BRICAULT, M. D.

Andover, Mass.

ANNUAL CATALOGUE

Containing complete official list of awards of all the poultry shows held in the South during the season 1907-1908, ready March 1st—Price 50c—Address

Southern Poultry Magazine, Publishers,
Nashville - - - Tennessee

2 pen. B. S. Davis, 2 ck; 1, 2, 3 ckl, 1, 2 pul, 1 pen. J. V. Griffin, 4 ckl, 3 pul. J. H. Fleming, 1 hen.

Black Jaws.—T. P. Dillon, Monroe, all prizes.

White Minorcas.—C. B. Laney, all prizes.

Black Minorcas.—A. S. Harrill, 1 ck, 1, 2 hen, 1 pul. W. C. Rape, 2, 3 hen. G. L. Doolley, 2, 3 pul.

White Wyandottes.—W. S. Krauss, 1 ckl, 2, 3 pul, 1 pen. Beal & Hardin, 2 ckl, 1, 2, 3 hen, 2 pen. E. G. Faust, 3 ckl, 1 pul.

Buff Wyandottes.—H. W. Tucker, 1 ck, 1 hen, 1 pul. E. C. Laney, 2 ck, 3, 4 ckl, 2, 3 hen, 2 pul.

Part Wyandottes.—A. S. Harrill 1 ck, 2 ckl, 1, 2 hen, 3 pul. J. D. McRae, 2 ck. Geo. Hart, 1 ckl. J. P. Dillon, 3, 4 ckl. H. W. Tucker, 3 hen, 1, 2 pul.

S. C. W. Leghorns.—T. L. Crowell, 1 ck, 2 hen, 2 pen. Huntley & Lyles, 2 ck. J. E. Thomas, 1, 2 ckl, 1 hen, 2, 3 pul, 1 pen. J. C. Sikes, 1 pul.

S. C. B. Leghorns.—Geo. Hart, 1 ckl, W. W. Carroll, 2 ckl, 2, 3 pul. Laney and Dillon, 3 ckl.

W. I. Games.—J. W. Laney, all prizes.

R. C. R. I. Reds.—T. C. Eubanks, all prizes.

S. C. R. I. Reds.—Chas. H. Smith, 1 ck, 2 ckl, 1, 2, 3 hen, 1 pen. T. J. Meiggs, 1 ckl, 1, 2 pul, 2 pen.

Black Langshans.—T. P. Dillon, 2 ck, 1, 3 hen. J. K. Alexander, 2 hen.

Cornish Indians.—W. J. Walters, 3 ck, 1, 2, 3 hen, 2 pul. A. H. Horton, 4 ck. J. W. Laney, 3 hen.

Golden Wyandottes.—J. H. Fleming, 1, 2 ck. H. Hinds, 3 ckl, 3 pul.

Virginia Poultry Association, Richmond, Va., Jan. 9-15, 1908.

B. Andalusians.—A. B. Carter 4 ckl, 1, 4 pul.

Light Brahmas.—W. M. Carroll 1 ck, 1 pul.

Buckeye Reds.—Mrs. C. M. Robinson, 1 pen.

Black Cochins.—W. M. Carroll 1 ck, 1, 2, 3, 4 hen, 1 pen.

Frizzles.—L. R. Walton 1 ckl, 1, 2 pul.

C. I. Games.—R. B. Fraser, 2 ckl, 1 hen, 1 pul.

Pit Games.—J. M. Conrad 1 ck, 1 hen, 1, ckl, 1, 2 pul.

B. B. Red Games.—B. J. Pleasants 1 ck, 1, 2 hen, 1 ckl, 1, 2 pul.

Red Pyle Games.—B. J. Pleasants 1 ckl, 1, 2 pul.

B. Langshans.—A. M. Black, Tazewell, Va., 1 ck, 1, 4, 5 hen, 1, 2, 4 ckl, 1, 3, 4 pul, 2 pen.

Jno. C. Adams, Bristol, Tenn., 2 ck, 2, 3 hen, 3 ckl, 2 pul, 1 pen. John S. Wenger 5 ckl, 5 pul, 3 pen.

Buff Leghorns.—J. N. Coffman 1, 2 hen, 1, 2 ckl, 1, 2, 3, 4 pul, 1 pen.

S. C. W. Leghorns.—J. W. Snellings 1, 5 ck, 4 ckl, 2, 4 pul, 2 pen. S. S. Stanbury, Richmond, 2ck, 5 hen, 1, 3 ckl, 1 pul, 1 pen. H. A. Sager, Herndon, 3 ck. J. A. Ellett 4 ck, 5 pen. A. J. Warren 1, 2, 3, 4 hen, 5 ckl, 3 pen. B. H. Grundy 2 ckl, 3 pul, 4 pen.

S. C. B. Leghorns.—H. M. Wilkerson 1 ck, 2 ckl. Dandridge Murrell 2 ck, 3 ckl. A. J. Warren 1, 3, 4, 5 hen, 1 pen. L. E. Myers, 2 hen, 4 ckl, 5 pul. Strawberry Hill Poultry Yards 1 ckl, 1, 2, 3, 4 pul.

Black Minorcas.—J. W. Snellings 1 ck, 1, 2 hen, 1, 2 ckl, 1, 2, 3, 4 pul, 1 pen. B. H. Grundy & Son 3 ckl, W. McDowell 4 ckl. J. W. Robertson 2 pen.

W. Minorcas.—W. J. Pepper 1, 2 ckl.

White Orpingtons.—F. S. Bullington, Richmond, 1, 3 ck, 1, 3, 4 hen, 1, 2, 3 ckl, 1, 2, 3 pul, 1 pen. Miss Clara L. Smith, Croxton, 2 ck, 2 hen.

Buff Orpingtons.—B. S. Horne, Keswick, 1 ck, 1, 2, 3, 4 hen, 1 ckl, 3, 4 pul, 1 pen. A. B. Carter 1, 2 pul.

B. Rocks.—Leslie H. McCue, Afton, 1, 3 ck, 1, 3 hen, 1 pen. Burkes Garden Cattle Co., 2 ck, 3 pen. C. L. Pettit 4 ck. Sysonby Gardens 5 ck, 5 pen. J. W. Snellings, 2 hen, 1, 5 pul. Robt. S. Gray 4 hen. Charlie Brown 1, 3, 4, 5 ckl, 2, 3 pul, 2, 4 pen. Moorewood Poultry Farm 2 ckl, 4 pul. L. E. Myers 5 hen.

W. P. Rocks.—R. W. Haw 1, 2 ck, 1, 3 hen, 4, 5 ckl, 2, 4 pen. Burkes Garden Cattle Co., 2 hen, 1, 2, 4 pul, 1 pen. L. A. & C. O. Pusey 2 ckl, 3 pul, 3 pen. Sysonby Gardens 3 ckl, 5 pen. H. B. Atinson 5 pul.

Buff Rocks.—Sysonby Gardens 1 ckl, 1 pul, 1 pen.

S. C. R. I. Reds.—F. S. Bullington, Richmond, 1 ckl, 1, 2, 3, 4 hen, 1 pen, 3, 4 ck, 3, 4 pul. Ellerson Poultry Yards 1 ck, 2 pen. B. L. Woodward 3, 4 ckl. J. J. Jones 2 ck, 1, 2 pul.

R. C. Reds.—J. A. Page 1 ck, 2 pen. W. A. Shook 2 ck, 5 ckl. B. L. Woodward, 1 ckl, 2 pul. W. D. Sydnor 2 ckl, 1, 3, 4 pul, 1 pen. W. F. Gaines 3, 4 ckl, 5 pul.

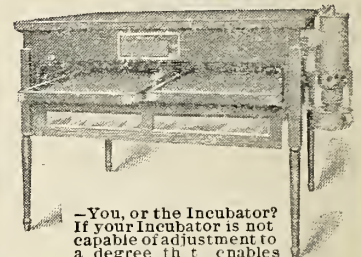
P. Wyandottes.—Ellerson Poultry Yards 1, 2 ck, 1, 2, 3, 4 hen, 3 ckl, 1, 2, 3, 4 pul, 1, 2 pen.

S. Penciled Wyandottes.—Otho M. Cockes 1 ckl, 1 hen.

S. Laced Wyandottes.—J. V. Pomeroy 1 ck,



WHO RUNS YOUR INCUBATOR?



—You, or the Incubator? If your Incubator is not capable of adjustment to a degree that enables you to control in every detail, then it runs you, and its success as a hatcher is determined absolutely by outside conditions and results are never certain.

THE "Mandy Lee"

Incubator is under control of the operator all the time. It works according to your instructions. The same conditions that hatch chicks one place will produce similar results in any locality, but only in the "Mandy Lee" can these favorable hatching conditions be duplicated in any climate or altitude. There is no incubator better built than the "Mandy Lee"; none with so many exclusive and patented features that you know are essential to best success with poultry; none other that will give such good results every day in the year. When you operate a "Mandy Lee" you operate a certainty—no guess-work whatever—if the eggs are fertile you know reasonably close what results will be.

The "Mandy Lee" Brooder furnishes direct contact heat to the backs of the chicks—"Hovers 'em like a hen"—Nature's method. See illustration. The only Brooder of this kind in the world.

Write for handsome new catalog; also new booklet "30 Years With Poultry." Learn of the superior advantages offered by our machines. Get the "Lee" habit now!

Geo. H. Lee Co.
Box 28,
Omaha, Neb.

Hovers 'em like a Hen

MR. POULTRYMAN

THE \$1.00 YALE ADDING MACHINE
will add your accounts accurate and quick. Endorsed by Postmasters, Merchants, Business Men everywhere. Satisfaction guaranteed or money back. Write for testimonials and particulars to-day.
YALE MFG. CO., NEWARK, N. J.



45 BREEDS BEST POULTRY

Fine books, illustrations and facts about poultry, feeding, care, diseases, our big premium offer. Low price for stock and eggs. Best way to rid poultry of lice, make money, etc., only 10c.
JOHN E. HEATWOLE, Harrisonburg, Va.

Wilson's White Leghorns.
(Single Comb.)

WON

At the Great Knoxville Show, January 8-11, 1908,

IN HOT COMPETITION

WITH THE SOUTH'S MOST NOTED BREEDERS

1st and 4th Cockerel, 3d Pullet and 3d Pen

New blood will improve your flock. Buy now some of my

HIGH SCORING COCKERELS AND PULLETS

\$2.00 TO \$10.00

FOR EGG PRODUCERS AND SHOW BIRDS

They have no superiors. **EGGS \$3.00 FOR 15**

Order early and hatch some March and April chicks for the Fall Shows. I will offer valuable money prizes at the next Knoxville show for best cockerel and pullet hatched from eggs bought from me.

JAMES A. WILSON, Oliver Springs, Tenn.

Member of National Single Comb White Leghorn Club.

BLACK MINORCAS, BARRED & WHITE PLYMOUTH ROCKS

AS GOOD AS THE BEST

My Minorcas have won at the five leading Southern Shows this season. Twenty-one First Prizes out of a possible 25. Four times as many 1st and 2nd prizes as all competitors combined.

Show birds and breeders for sale at reasonable prices. Eggs, \$2.00, \$3.00 and \$5.00 per sitting. Write for list of show winnings and pen matings.

C. H. LEDFERD, 81-83 Whitehall St., ATLANTA, GA.

S. C. BUFF LEGHORNS.

COCK "Robt. Buff" the great winner. Eleven 1sts in four states, ten specials. Sire of many 1st prize winners. Large, beautiful, vigorous. You need his blood in your yard.

HENS "Queen Buff," 3 1sts, in big shows, 3 specials, 15 eggs \$5.00; "Lee Bell," 2 1sts, 2 specials, score 95, 15 eggs \$5.00; Lady Bess, Wyckoff exhibition, as good as above, 15 eggs \$3.50; other prize hens, 15 eggs \$3.00; from exhibition pullets, 15 eggs \$2.00; breeding, 15 eggs \$1.00.

Trap nest record of every egg—pedigree given—fertility guaranteed. Eggs from prize winning S. S. Hamburgs \$1.50. **GOLDEN GLOW POULTRY PENS** Lake City, Fla. Rev. D. H. Ferran, Prop.

1889

CABHART'S

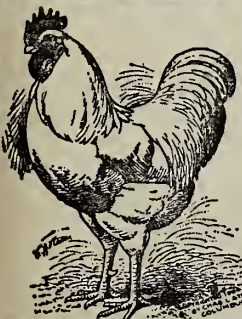
1908

S. C. White Leghorns have won highest honors at Cincinnati, Lexington, Louisville, Ky., state fair, etc. Single birds, trios and pens for sale of the highest class only. A few cockerels scoring to 95 3-4, \$3.00 to \$10.00. Eggs that will hatch regardless of distance from the finest of exhibition matings, \$2.00 and \$3.00 per 15. \$10.00 per hundred. Write me. Circular free.

W. E. CABHART,

Box M.

BOHON, KY.



**WALKER'S
WHITE PLYMOUTH ROCK EGGS**

I have a limited number of Cockerels and Pullets for Sale. They are farm raised; bred to lay, and do it. I am now offering eggs from prize winners \$2 per 15.

D. P. WALKER, Route 1, SWEETWATER, TENN.

HIGH CLASS SCOTCH COLLIE DOGS FOR SALE.

1, 2 hen, 1 ckl, 2 pen. Otho M. Cokes 2 ck, 3 hen, 2 ckl, 5 pul. Ellerson Poultry Yards 3 ck, 4, 5 hen, 3 ckl, 1, 2, 3, 4 pul, 1, 3 pen. Buff Wyandottes—Geo. W. Osterhout 1, 3 ckl, 1, 2, 4, 5 pul, 1 pen. Moorewood Poultry Farm 2 ckl, 3 pul.

White Wyandottes—W. D. Saunders, Richmond, 1 ck, 2 hen, 2 pen. C. F. Hawkins 2, 4 ck, 5 pul, 5 pen. A. F. Berger & Son 3 ck, 1, 3, 4 hen, 5 ckl, 4 pul, 3 pen. R. R. Taylor, Beaver Dam, 5 ck, 5 hen, 4 pen. J. F. Dunston 1, 2 ckl, 1, 2, 3 pul, 1 pen. Miss C. L. Smith, Croxton 4 ckl. A. S. Grever 3 ckl. Columbian Wyandottes—H. D. Brinser, Manchester 1, 2, 3 ck, 1, 2, 3, 4, 5 hen, 1, 2, 3 ckl, 1, 2, 3, 4, 5 pul, 1, 2, 3 pen.

Black Wyandottes—W. J. Pepper 1, 2 ckl. Bronze Turkeys—Charlie Brown 1, 2 ck, 1, 2 hen, 1 ckl, 1 pul. Burkes Garden Cattle Co., 2 ckl, 2 pul.

W. H. Turkeys—J. F. Dunston 1 ckl, 1 pul. R. R. Taylor, 2 ck, 2 hen, 2 ckl, 2 pul. Mrs. S. Y. Gilliam 3 ck, 3 hen, 1 ckl, 1 pul.

Pekin Ducks—Drake 1, 2, old. Duck 1, 2, old. Drake 1, 2, young. Duck 1, 2, young. H. Skipwith. R. R. Taylor, Beaver Dam, 3 old drake, 3 old duck. Burkes Garden Cattle Co., 3 young drake, 3 young duck.

Aylesbury Ducks—R. R. Taylor, Beaver Dam 1 drake, 1 duck.

Muscovy Ducks—R. R. Taylor, Beaver Dam, 1 old drake, 1 duck. 1 young drake, duck. Colored Mrs. S. Y. Gilliam, 1 young drake and duck.

White China Geese—J. F. Dunston, 1 gander, 1 goose.

White Guineas—J. F. Dunston 1 pair.

Peacock—Mrs. S. Y. Gilliam 1 ck.

Coffee County Poultry Show.

The first annual exhibition exceeded the most sanguine expectations. More than four hundred birds were entered, and among them some as fine specimens of the fancy breeds as can be seen anywhere.

Below is a partial list of the exhibitors.

Bronze Turkeys and Pekin Ducks—J. F. Ashley.

W. Wyandottes and B. P. Rocks—W. H. Ashley.

Golden Wyandottes—J. H. Ashley.

R. C. B. Bantam—Mack Ashley.

Black Minorca—Mrs. Bonner.

S. L. Wyandottes—C. E. Byrom.

W. Wyandottes—Frank Chumbly.

W. Leghorn—Lewis Carden.

B. Langshans—Dr. P. K. Carson.

B. Turkeys and B. P. Rocks—R. S. Brandon.

Buff Wyandottes—D. E. Clark.

R. C. B. Leghorn—J. M. Brandon.

B. P. Rocks—D. A. Deedon.

B. Minorca—Wm. Brittain.

B. Minorcas, W. Wyandottes and Pekin Ducks—John W. Emerson.

White Wyandottes—Allen Hickerson.

R. I. Reds—Mrs. R. K. Hunt, Jacobs & Mason.

Buff Wyandottes—Lawrence Jacobs.

Brown Leghorn—V. L. Jones.

Partridge Wyandottes—E. L. Davis.

S. L. Wyandottes—A. J. Hull.

Buff Wyandotte and Buff Cochins Bantam—W. P. Hickerson, Jr.

B. P. Rocks—John Horney. W. E. Holder.

W. P. Rocks—J. D. Drawn.

B. Minorca—Mrs. A. M. May.

Buff Orpington—J. H. Rutledge.

Toulouse Geese—John Ross.

Brown Leghorn—Mrs. J. A. McCullough.

Pit Game—Jos. Marshall.

Game Bantam—H. B. Lansden, Jr.

Bronze Turkeys—W. T. May.

Blue Andalusian—C. W. Lawrence.

R. I. Reds—H. B. Lansden & Son.

W. Leghorn and B. Turkeys—J. N. Pearson.

Golden Wyandottes—Eugene McBride.

Black Minorca—Mrs. C. E. Price.

Light Brahmas and S. S. Hamburg—J. P. Phillips.

R. I. Reds—R. H. Phillips.

Buff Wyandottes—W. H. McBride.

B. P. Rocks—G. W. Mowry.

Golden Wyandottes—A. A. Straight.

B. Spanish—W. D. Smith.

B. P. Rocks—Dr. J. C. Smith, Warren Thomas. G. W. Thomasson. Mrs. Chas. T. Wilson.

W. P. Rock—A. A. Williams.

W. Wyandotte—Dr. E. P. Vaughn.

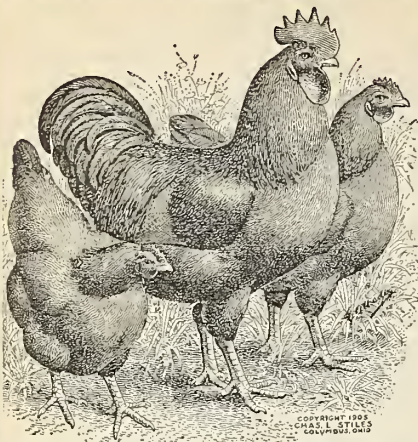
Partridge Wyandotte—R. L. Wolf.

Scotch Collie Dogs—G. W. Cross—Manchester News.

The cure-all in the poultry yard is good management. Its principal virtue is that it is preventive. With it there is no need for stimulants, regulators and other makeshifts.

To the wide-awake speculator: Invest 25c a week for one year and make \$250.00. Stamp for particulars. G. W. Cupp, Mansfield, Ohio.

We make a specialty of writing follow-up letters and advertisements. Cupp's Advertising Bureau, Mansfield, Ohio.



RHODE ISLAND REDS

Single and
Rose Comb

My First Rose Comb Pen is headed by 1st cock and contains 2nd and 5th and two 2nd pen pullets at Jamestown; 1st, 2nd and 3rd pullets at Knoxville, 1908. Every bird in this pen scores from 93½ to 94½.

My First Single Comb Pen headed by 3rd cockerel at Jamestown and includes the famous "Red Lady," that as pullet won color special at New York, was 1st hen at Jamestown, and 1st at West Virginia State Show—pen also includes 3rd Jamestown and 1st Scranton, Pa., pullets, 1st pullet also best 1st pen pullet at Springfield and 3rd Boston pullet that won over 1st New York pullet, 4th Jamestown hen, 1st and 3rd Knoxville pullets that scored. Every bird in this pen scores from 94 to 95.

My 2nd pens are very strong, headed by prize winning cocks—Single Comb pen headed by cock that won 1st as cockerel at Birmingham, 1907; each pen mated to 12 high-scoring pullets and hens.

HIGHEST SCORED PEN AT KNOXVILLE, 1908, 187½.

My winnings on S. C. Reds at Knoxville Show, 1908, seven entries, were 1st cockerel, 1st and 3rd pullets, 4th hen and 1st pen. More prizes on 12 Reds than 21 breeders won with 160 Reds, including \$31.50 cash prizes.

\$15.00 SILVER CUP FOR BEST DISPLAY

S. C. Rhode Island Reds given by National S. C. Rhode Island Red Club.

JUDGE LORING BROWN SAID: "Your Rose Comb Reds are the finest I ever saw."

Eggs \$2.00, \$5.00, \$10.00 for 15. \$3.50, \$7.50 and \$15.00 for 30. Half hatch guaranteed or eggs replaced at half price. Member National S. C. Rhode Island Club.

SOUTHERN POULTRY FARM, WADE HAMPTON, Prop., Rogersville, Tenn.

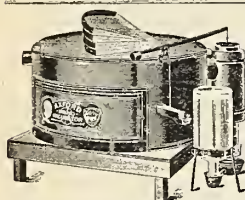
Lawson's Winnings at Bristol and Cleveland.

Entered 1 pen of S. C. W. Leghorns at Bristol, December, '07, won 1 ck, 2 hen, 2 ckl, 1, 2, 3 pul, 2 pen. At Cleveland, December 17, 1907, won 1, 2 ck, 2 hen, 1, 2 ckl, 1, 2, 3 pul, 1, 2 pen, and the above in strong competition. For Knoxville winnings see January issue of THE HEN.

A Correction.

Quite a serious mistake was made in publishing the winnings last month at the Knoxville show. Mr. Wade Hampton's Single Comb R. I. Reds won first prize; a typographical error made it read fourth prize—quite a mistake indeed. Mr. Hampton is evidently prospering in business as he has enlarged his advertisement this month.

I can sell your real estate no matter where located. G. W. Cupp, The Real Estate Man, Mansfield, Ohio.



Axford Round Incubator

First sold in U. S.
The only safe one.
Get one and sleep sound.
Send for prices, etc.
H. W. AXFORD,
Station M, CHICAGO

Headquarters for
Poultrymen

HOTEL IMPERIAL

Knoxville's Most Modern
and Up-to-Date Hotel

LONG DISTANCE PHONES
IN EVERY ROOM

Rates \$2.50 and up. Rooms
with Bath, \$3.50 and
\$4.00 per day

AMERICAN PLAN

THE THOMAS CONVERTIBLE BROODER

Is the Most Practical Invention in the History of Artificial Brooding. Can be Instantly Converted Into a Single or Double Brooder.

I have no costly brooder parts for sale; absolutely nothing but my plans and specifications, which are so plainly illustrated and explained, and the brooder is so simple to construct, that anyone with a saw, hammer and square, and the material, which can be had in your community for little or nothing, can make it in a few hours. (You don't need the help of a tinsmith or plumber either). Look into this matter today. It will pay you.

READ WHAT A SATISFIED CUSTOMER SAYS.

Mr. H. J. Thomas: Dear Sir—Thanks to your brooder, I have had greater success than ever this season. To be able to use brooder either as a single or double is a wonderful help. Your brooder is a Godsend to the fraternity, and I predict a great future for it. To be exact, my brooder cost me \$2 to make, and I raised over 300 chicks in it. I'm satisfied. Yours, R. G. HUTCHISON.

Send 2c stamp for booklet or, better still, save time by sending 50 cents (I prefer express or P. O. money order to stamps) to get plans and specifications. You run no risk. If brooder is not all it is represented to be, return plans and get your money back (less postage). Could I be more fair? I don't propose to have a dissatisfied customer. Make it yourself. Plans and Specifications, 50 Cents.

H. J. THOMAS. DEPT. A., 24 BEDFORD COURT, DETROIT, MICH



- A - DEE FARM

J. A. DINWIDDIE, Prop.

S. C. RHODE ISLAND REDS

The great all purpose fowl. Layers, Broilers and quick growers.

AND

SINGLE COMB WHITE LECHORNS

The greatest Egg Producing variety known. Large, white eggs.

EGGS FOR HATCHING

Bred for high egg production. Unsurpassed in standard bred qualities.

J. A. DINWIDDIE, R. 3, NEW MARKET, TENN.

TERRELL'S SINGLE COMB RHODE ISLAND REDS

Were first prize winners in 1904 and 1905 in our best shows.

In 1906 first prize winner at Nashville, Tenn., Birmingham, Ala., Charleston, S. C., Houston, Texas, Marshall, Texas.

In the hands of my customers at Dallas, Texas, Augusta, Ga., Montgomery, Selma and Mobile, Ala.

This season's Birmingham state fair, won 1st and 3rd cocks, 1st and 2nd hen, 1st and 2nd cockerel, 2nd pullet, 1st and 2nd pen, best display in the American class.

At Augusta, Ga., 3rd cock, 2nd and 3rd cockerel, 2nd hen, 1st and 3rd pullet, 1st pen, 1st display, special cup best colored bird in show, club cup for best pen.

Birmingham show, 2nd cock, 1st and 2nd hen, 1st and 5th cockerel, 2nd pullet, 1st pen, club cup best display, club ribbon best shape male.

If you want birds to win for you in 1908 send me your egg orders. Book early.

Prize matings \$5.00 for 15 eggs. Special matings \$3.00 for 15 eggs, \$5.00 for 30, \$15.00 for 100.

A limited number of cockerels and pullets for sale. Write me your wants. 1908 circular of winnings and mating free. Satisfaction guaranteed.

L. K. TERRELL,

304 Tuscaloosa Ave.,

BIRMINGHAM, ALA.

**Makes
Poultry
Profits
Possible**



**TABLET
or
LIQUID
PRICE
50c**

GERMOZONE

The great National Poultry Remedy makes poultry profits possible. With this popular medicine, endorsed and used by the most successful poultrymen in the world, you can be your own poultry doctor—you can cure Roup, Colds, Cholera, Bowel Complaint, Chicken Pox and all disorders of that character.

Germozone

not only has great curative powers, but it has wonderful and effective preventive properties as well. Given twice a week in the drink it acts on the bowels and thus keeps the whole system in healthy condition, able to withstand disease. Sick hens won't lay. Keep your hens well and they will do well. Every fowl in your flock needs Germozone.

A trial will make you a friend of this splendid remedy. When you see how it brightens the comb and improves the appearance and vigor of your birds you'll never want to be without it.

Germozone is prepared in either liquid or tablet form and is on sale almost everywhere. If your dealer don't have it, send 50c to the manufacturers and you will be supplied promptly. Write today.

GEO. H. LEE CO., Omaha, Neb.

Eggs For Hatching

FROM

Fogg's S. C. White Leghorns

My Breeding Yards are filled this season with the finest birds I have ever owned, among them the finest in this country. I pack eggs so they arrive SAFELY. You will not have a LOT OF BROKEN ONES when you order from me.

Eggs from regular and special matings, \$1.50 and \$2.50 per 15; \$6.00 and \$10.00 per 100; \$45.00 and \$80.00 per 1,000.

Fogg's Single Comb White Leghorns

Have been bred for heavy-laying, health, vigor and standard qualities.

Layers and mated breeders in any size lots at prices you can afford. Send for my new catalogue giving prices on all birds and eggs. It gives facts you ought to know.

If you want to deal where you can get the BEST and the MOST for your money, send to

N. V. FOGG, Box A, MT. STERLING, KY.

"FEED TEN CENTS A BUSHEL"

Is your main feed for producing eggs and growing young stock costing you more than 10 to 15 cents a bushel? If so, you want my new book, title,

PROFITS IN POULTRY KEEPING SOLVED

which tells you how to make this great feed and gives you every detail in laying out and running a poultry plant. Gives you my lifetime experience. You can save \$25 a year on every one hundred hens you feed as well as increase your egg yield 30 to 40 per cent. No mashes under my new system. I have put hundreds of plants on a paying basis and can yours. Write today and stop that big feed bill. Circulars and testimonials free. My second edition of 3,000 copies now ready.

EDGAR BRIGGS, Box 156. PLEASANT VALLEY, N. Y. FORMERLY NEW ROCHELLE, N. Y.

Fine Lot of Ringlets for Sale

A grand flock of fine fowls, many of them blue ribbon winners, at reasonable prices. Exhibition fowls made a specialty, bred for size and egg production. Can furnish you fine large cockerels to improve your flock, of following strains: Thompson's Ringlets, Buff Rock Nuggets, Latham's Barred Rocks, Fishel's White Rocks, Duston's White Wyandottes, Partridge Wyandottes, Cook's Buff and White Orpingtons, Anconas and Rhode Island Reds, direct from their native land. Have won 100 prizes and a number of specials since 1906. Won a number of prizes at Burlington Fair for 1907. The remarkable sales of the past season stamps their superiority. Write for show record and prices. Eggs from special matings and from 1st prize matings, \$2.00 per setting.

DR. JOHN W. LASLEY,

Burlington, N. C.

Recent improvements on the poultry farm of Malloy Brothers at Hayden Lake, Ida., 42 miles northeast of Spokane, make it the largest poultry farm in the northwest and one of the largest west of the Mississippi river. The farm will accommodate this winter 5,000 laying hens. The investment represented is \$35,000. Four buildings, 350 by 16 feet, have been erected to accommodate the laying hens. The brooder house is 300 by 16 feet, and is heated with hot water. The incubator capacity has been increased to 7,000 a setting, as compared with 5,000 last year. The capacity of the farm before the present improvement was 1,000 laying hens, making the increase 500 per cent over 1906. In addition to the quarters for chickens there has been constructed on the farm a 150 foot pigeon loft. The stock will be entirely composed of homers. The plan is to raise squabs for the market. The work of stocking the new quarters has been begun by H. F. Rou, manager. The stock, which will include only thoroughbred birds, is to be divided between Plymouth Rocks, White Leghorns and Rhode Island Reds. The chickens will come from the east. Until this year the stock of the farm has been hatched on the ground from eastern eggs. The entire product for the next 18 months has been bought by a Spokane firm.

"Perfection" is the name of the first prize S. C. W. Leghorn cockerel at the great Jamestown Exposition show and is all his name implies. He is no doubt one of the best White Leghorns in America. He is white as snow, grand in shape and carriage with very heavy, well spread, low tail, breast full round and carried well to the front, very fine head gearing and excellent color eye.

To Perfection for season 1908 is mated 10 grand winning hens in the South's best shows and they are his equal, scoring 96 points. "Beauties," and we will spare a few settings of eggs from this grand mating at \$10 for 15 or \$15 for 30 eggs. We advise you to place your order very early for booking, stating when eggs are to be shipped. Wilber Bros., Petros, Tenn.

Ducks and geese may be fattened very quickly on boiled turnips, potatoes and carrots, thickened with oatmeal. They should be confined for this purpose and fed five times a day regularly.

S. G. Black Minoreas

Layers, payers, stayers, when prizes are awarded at Jeff City show, Owen, judge, I won 1st old, 1, 2 pul, 1st pen. Farm raised, heavy layers. Eggs, \$2 per setting.

O. L. MOODY, Jefferson City, Tenn.

NORTON'S

S. C. RHODE ISLAND REDS

WHITE PLYMOUTH ROCKS

BARRED PLYMOUTH ROCKS

Winners wherever shown. A fine lot of high class cockerels at \$2.00, \$3.00 and \$5.00 each. Eggs from high class exhibition matings \$5.00 per 15. Eggs from pens mated for business, \$2.00. Write for circular.

J. O. Norton,

East Station

Nashville - Tennessee

An Effective Remedy.

Despairing Wife: "Our Tommie keeps running away from school. He'll never learn anything!"

Husband: "Don't worry. I'll give him a lickin' that'll make him smart!"—*October Lippincott's.*

We will place your ad in nearly 200 magazines for 50 cents a line and allow you 20 cents a line for a few minutes work. Will place in weeklies for 1c. a line and allow you 1-2c. a line for a few minutes work. Stamp for particulars. Cupp's Advertising Bureau, Mansfield, Ohio.

Special Notice.

Mr. Edgar Briggs, of New Rochelle, N. Y., author and publisher of the new book "Profits in Poultry Keeping Solved" has moved on his new farm at Pleasant Valley, N. Y., of 60 acres, where he is building a plant to carry 2000 layers—Single Comb White Leghorns and White Wyandottes—and is now prepared to fill orders for eggs by the 100 or 1000. No order too large. His book is having a great sale. Write him for particulars, circulars, etc. Address Edgar Briggs, Pleasant Valley, N. Y.

Tennessee State Fair, Nashville, September 21 to 26, 1908.

S. C. BUFF & WHITE ORPINGTONS

Seven years' breeding places our flocks with the best. Eggs from Buffs at \$1 and \$2 per 15. Second prize cock at Richmond heads our Whites. A few orders will be accepted at \$2 for 15 eggs. Reasonable fertility guaranteed. First \$2 gets a good white cockerel.

ORPINGTON PLACE, R 2, Clarksville, Va.

..BUFF ORPINGTONS..

Pen headed by 1st prize cockerel, Bristol, 1907 show. Eggs, \$2.00 per 15. High setting Buff Leghorns and Silver Wyandottes, eggs \$1.50 per 15.

DR. E. C. HAMILTON,
ABINGDON, - - VIRGINIA.

FOR SALE!**S. C. BUFF ORPINGTONS**

EXCLUSIVELY.

Eggs in season. Satisfaction guaranteed. For bargain prices write

L. G. MITCHELL, OLDFORT, TENN.

Stipe's Pekin Ducks

Won all the blue ribbons at Knoxville, 1908. Orders taken for eggs. \$2.00 for 11; \$3.50 for 22, or \$5.00 for 50.

FRANK STIPE,

Route 4. KNOXVILLE, TENN.

S. C. WHITE LEGHORNS

—AND—

S. C. BLACK MINORCAS

Farm raised, vigorous and healthy; grand in size and plumage. Eggs for hatching, by the setting or in incubator lots. Stock for sale at all times. Write for description of birds and matings. Satisfaction guaranteed.

GEORGE BARNES - CROOKS, KY.

S.B. NEWMAN & CO.

617 Gay St., KNOXVILLE, TENN.

**PRINTING
BOOK BINDING
RUBBER STAMPS**

ENGRAVING

The Best Grade of Half Tone Cuts and Zinc Etchings. See us.

Mamma And The Babies

All Raised on

CHAMBERLAIN'S PERFECT CHICK FEED

THE WORLD'S CHICK FEED OF TO-DAY.



Write for Prices, Booklet, or name of nearest Agent.

W. F. CHAMBERLAIN,
(The Perfect Chick Feed Man.) ST. LOUIS, MO.

WALKER'S**BARRED ROCKS & WHITE WYANDOTTES**

WIN WHEREVER SHOWN

Winning first honors at Knoxville, Sweetwater and Madisonville, Tenn.

Our birds are farm-raised. Send us your order and start right

STOCK AND EGGS FOR SALE.

WALKER BROS., R. 1, MADISONVILLE, TENN.

WHITE ROCK POULTRY YDS.

L. A. DICK, Proprietor

W. P. ROCKS and S. C. BUFF LEGHORNS

YOUNG AND OLD STOCK FOR SALE

L. A. DICK, - - NEW MARKET, TENN.

SEND FOR HOPE'S FREE CATALOGUE OF HOLIDAY JEWELRY

Profusely illustrated, showing the newest and richest creations in Gold, Gem-Set and Tennessee Pearl Jewelry, Watches, Cut Glass, Sterling Silver and other fine gift wares. It's free on request. Hundreds of persons throughout the South satisfactorily deal with us, and we want YOU to be one of our patrons.

Wedding Invitations richly engraved in our own plant.

Send us your Fine Watches to be repaired.

**HOPE BROS. JEWELERS, 519 Gay Street
KNOXVILLE, TENNESSEE**

BRIEF MENTION

H. R. Birchett, Lebanon, Tenn., at the recent Wilson County show, won as follows: Blue Andalusian, 1 hen, 1 pul, 1 skl. W. F. Black Spanish, 1 skl, 1 pul. S. C. White Leghorns, 1 pul, 3 skl; this pullet received the highest score of any bird, any breed, in the show. Also won on pair of Rouen ducks.

Now that the Jamestown Ter-Centennial Exposition has closed, all eyes are turned toward the next great world's fair, the Alaska-Yukon-Pacific Exposition, which will be held at Seattle, Washington, opening June 1, and closing October 15, 1909.

The Black Langshans of W. H. Cochrane of Bristol, Tenn., have made a wonderful record this season, winning almost all the first prizes wherever shown, besides three silver cups, 8 special club ribbons for color and shape. At Nashville he won A. P. A. silver medal for best Asiatic cockerel and THE INDUSTRIOUS HEN cup for best display in the show. At Bristol he had highest scoring bird and pen in the show; his latest winning is at Lexington, Ky., in a class of 35, he made a clean sweep. See his ad. in this issue.

Hatch early and often these days, remember delay means a whole year lost and gone.

When Sam Cooper takes hold of a thing he don't say much, but he certainly gets there. Look at his work as president of the East Tennessee Poultry Association. See his fine fruit and his unbeaten Rose Comb White Leghorns. THE HEN had to stop offering a cup for the highest scoring pen at Knoxville as it was like handing it over to Cooper. Now he is in the field with S. C. Rhode Island Reds and his first show season is a hummer. At Bristol, in a fine class of nearly eighty birds, he won 1, 4 skl, 2, 4 pul; and 1st pen, the only exhibitor to win two more than one first prize.

At Knoxville with nearly 200 Reds in competition, he only lost first honors by fractions of a point. There was little to choose between 1st and 2nd cockerel; in fact, a number of breeders preferred the latter. At this show he won two silver cups, one in the Mediterranean class and one for the best general exhibit. For stock of such a high class as his, his prices for eggs are very reasonable. Customers will find they will get their full money's worth from Sam Cooper.

The jingler has broken loose again. That he may suffer the consequences of his sins we publish his latest spasm:

To have her pay
A hen must lay.
The wise man knows
That the money goes
To the one who advertises.

So try THE HEN,
Right now, not then;
You get the lay,
She'll make it pay;
So do as he advises.

We cannot give our approval to the rhyme, it's very bad, but the sentiment is of pure gold.

Black Orpingtons are said by Orpington breeders to be the most consistent breeders, the largest birds and among the best of the layers of that breed. They are coming into favor more and more on their merits. Park Poultry Pens, Nashville, Tenn., have some good specimens in their yards. In a good class they won at the Great Nashville show 3rd pul. and 1st pen.

Good for W. G. Griffin, Bristol, Tenn., though a newcomer in the show business, he won at Nashville 3rd ck, 3 hen, 4 and 5 skl. For a new man this is a fine record. He raised all his winners and their ancestors for several generations. His Buff Wyandottes are good ones. It was a long trip for the birds but was justified by results.

There are plenty of towns along the Southern Railway where new settlers with large families can find employment in the mills for the older children, who can live at home, and, during spare hours, help improve the home, farm and garden.

LET ME SHOW YOU

HOW EASY IT IS TO BUILD YOUR OWN INCUBATOR AND BROODER

with my Free Plans. Anyone can do it, even a boy of ten years. Thousands of testimonials—not a single failure. My Catalog and Free Plans show every step of the work—you can't go wrong. 100 illustrations. I want to prove this by sending you these plans and catalog describing my improved

ACME AUTOMATIC LAMP & COMPOUND REGULATOR

which save half the oil, time and labor. Can be attached to any incubator or brooder. Can't overheat, can't upset, can't catch fire. Send for Free Plans and Catalog. I furnish all parts you can't make.

H. M. SHEER CO.,
224 Hampshire St., Quincy, Ill.



"Peek's Pecan Circular"

Send for free copy. Hartwell Pecan Nurseries, Hartwell, Ga. Established in 1882.

"A Short Talk on Pecans."

Starke Pecan Nurseries, Starke, Fla. Write a postal card for it.

RED BIRDS

THE QUALITY KIND

SINGLE COMB RHODE ISLAND REDS

America's Best Breed

I BREED PRIZE WINNERS

Won at Bristol and Knoxville, this season: Bristol—2nd, 3rd cocks; 2nd, 3rd skls; 1st, 4th hen; 3rd pullet and 2nd pen.

Knoxville: Over 200 competing. 1st cock and 3rd hen; 4th pullet. Stock and eggs for sale. Eggs, \$2.50 per 15. \$4.00 per 30.

E. E. ELLSWORTH, Johnson City, Tenn.

BUFF ORPINGTONS

I have hatched some sons and daughters of First Cock and First Pen Madison Square this year. Can spare a few good ones at reasonable prices.

H. H. KINGSTON, JR.,
Brighton P. O. ROCHESTER, N. Y.

BLACK'S BLACK LANGSHAN EGGS

WILL GIVE YOU BLOOD FROM A NOTED PRIZE-WINNING STRAIN

Bred for all standard requirements—combined with superior egg production. Eggs, \$2 per 15, \$3.50 per 30. Send for circular describing the strain and giving recent show record. A few choice birds yet for sale.

A. M. BLACK - TAZEWELL, VA.

H. C. DIPPEL.

DIPPEL & PIERCE

W. C. PIERCE.

Breeders of

White Wyandottes AND White Plymouth Rocks

THE WORLD'S WINNING KIND.

FAMOUS PIERCE STRAIN.

Our birds have made an enviable reputation at Indianapolis and the great Jamestown exposition this year, in competition with the best produced, and many other large shows.

DO YOU WANT TO WIN?

If so, place your order for Eggs with us and you will get exactly what you pay for, and next season you will be able to go in the Show Room against the best in the land. Others do it, why not you? Also have some grand Breeding and Exhibition Stock to sell. We can sell you Stock whose ancestors have been the winners at New York, Chicago, Cleveland, Pittsburg, Indianapolis and Jamestown Exposition. Egg orders booked now for future delivery. Send for our mating list, which will be ready Feb. 11th.

DIPPEL & PIERCE, 116 De aware St., INDIANAPOLIS, IND.
FARMS AT BROAD RIPPEL.

Pine View Poultry Yards

White Plymouth Rocks.

White Plymouth Rocks, prize winners, scoring from 91.1-2 to 95.3-4, by Judge Hemlich, from \$1.00 to \$5.00 each. A few M. B. Turkeys of superior quality. Eggs in season.

MRS. W. A. DICKINSON, TRENTON, KY.

SINGLE COMB BUFF ORPINGTONS

Won at Morristown, Tenn., show, 1st pullet, 2nd pullet, 2nd cockerel. Eggs from select stock carefully mated. \$2.00 per 15.

R. B. BEWLEY - RUSSELLVILLE, TENN.

GOOD-BYE SICK CHICKENS

VIGER'S CRUSHED CHARCOAL

Will Keep Your Poultry Healthy.

It is a natural disinfectant and purifier, absorbs all impurities and disease germs, and keeps poultry in perfect laying condition. Fowls eat it readily. Three sizes: coarse granulated for mature poultry; fine granulated for small chicks; pulverized for soft feeds, etc. Write for samples and special quantity prices. Trial sack of 50 lbs., 50c.

VIGER'S COAL AND WOOD CO.,
438 Twentieth Street, Detroit, Mich.

FASHION BOOK FREE!

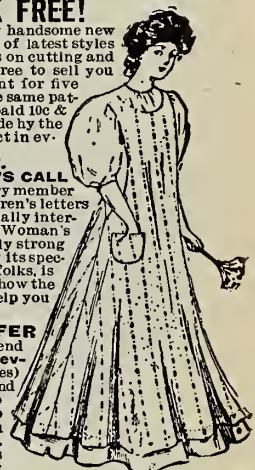
I want to send you my handsome new book showing hundreds of latest styles with illustrated lessons on cutting and dressmaking. I will agree to sell you all the patterns you want for five cents each. They are the same patterns you have always paid 10c & 15c for at the stores, made by the same people, and correct in every detail.

HOW I DO IT.
I publish the **FARMER'S CALL**, a weekly paper for every member of the family. The children's letters each week are an especially interesting feature; and the Woman's Department is unusually strong and instructive. Among its special features for women folks, is its fashions in which I show the **5c** patterns. Let me help you to save money.

MY SPECIAL OFFER

Send me 25c and I will send you the **Farmers Call** every week (over 1000 pages) for one year and will send my big Fashion Book to you free. I also agree to sell you any pattern you want thereafter for 5c. I can sell them for 5c because I buy them by the thousand and don't make any profit. I don't want the profit. I want your subscription to the **FARMER'S CALL**. You will save many times the cost of my offer in a year. **WRITE TO-DAY!**

JOHN M. STAHL, Dept. 672 QUINCY, ILL.



CAMPBELL'S WINNERS:

Buff and Brown Leghorns, Partridge Wyandottes. My Buffs are buff to the skin, heavy layers and won at Asheville, 2nd ck, 1, 4 hen; 1, 3 skl; 1, 3 pul; 1, 2 pen in strong competition. In Brown Leghorns two entries won 1st cock. My Partridge Wyandottes are winners, good layers and fine market birds. Eggs \$2.00 per setting.

MRS. C. B. CAMPBELL

Asheville, N. C.



Some of the Silver Trophies won by Langford's Champion S. C. Rhode Island Reds, Nashville, Tenn.

Joseph H., Philip F. and John H. Ponssen, formerly of Cleveland, O., have organized the Ponssen Bros., Inc., with a capital of \$20,000, and have established a poultry plant at Kent, Wash., west of Spokane, where they will raise Barred Plymouth Rocks and White Leghorns exclusively. The breeding house is 450 feet long, with runs 75 feet long on one side and 80 feet on the other. These are of a uniform width of eight feet. The rooms in the breeding house are 8 by 14 feet. Two brooder houses have been erected, 14 by 50 feet, with 40 foot runs, and material is being placed on the grounds at present for two more brooder houses 18 by 50 feet, and for three laying

houses 415 by 18 feet. The firm has in operation six incubators with a combined capacity of 1,962 eggs and have ordered twelve more incubators of the 504 egg size. Five brooders are already in operation, and as soon as present plans are completed there will be twenty brooders operating in all. Work is also progressing on a fine residence with a cement incubator cellar. Every thing is arranged to the utmost convenience and for operation on a large scale.

An unsuspected draft striking the fowls at night, while on the perches, is responsible for many a case of cold in the head and the cause of a later development of roup. Stop up the cracks in the hen house.

It doesn't take many cases filled with eggs, at 20 cents a dozen, to equal the price of a good steer. Did you ever keep account of the income from your flock of chickens for one whole year? If you have not, do so, commencing with March 1. A year hence you will have greater respect for the poultry of the farm than you may have now. When the total gets up around \$100, for 10 hens, not counting what has been used at home, you will think seriously of buying two or three incubators and "going big into chickens."—*Farm Magazine*.

"I can't ride. I'm ill. I've sent for a doctor."

"Not that handsome one Fred pointed out to us yesterday?"

"Yes. He's coming directly."

"Then you just tear into your clothes and feed Fido all the cake and jam he'll eat. That doctor's a veterinary."—*Life*.

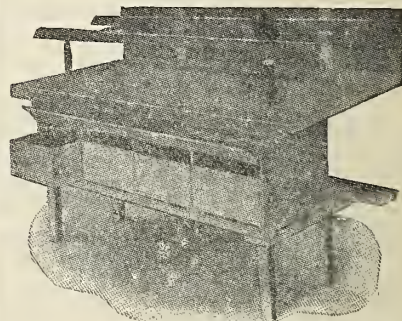
Suburban Life for January contains a number of unusually attractive features. One of the principal articles describes a series of houses which have been built within the past few years at comparatively small cost. There is a great demand for houses costing under ten thousand dollars, and this article gives both photographs and plans of a considerable number of suburban homes which did not cost over that amount.

DO YOU KNOW

The POTTER SYSTEM of selecting laying hens—the greatest discovery of the century in the poultry world? It is a simple, natural and scientific method of picking out the layers from the loafers. You keep only layers in your flock when you use the Potter System. Figure out in dollars and cents your saving and added profit. Our system is used and recommended by prominent judges, editors and thousands of breeders. Write us today and learn what they say about it, and a dozen ways of making more money on your poultry. You can keep fewer hens, get more eggs and make more money if you know the Potter System.

DON'T BUILD

that new hen house or think of fixing up the old one until you have seen our large new 64 page catalogue on Poultry House Fixtures. The biggest and best ever issued; over 50 illustrations showing hen-house fixtures in 3 styles and 12 sizes; also "Simplex" trap nests; W. P. attachment, etc. No poultryman can



afford to be without this book. For eight years we have manufactured this line of goods. Thousands of poultry houses in every section of the country are equipped with Potter Fixtures. You can have convenient and sanitary quarters and you can save time, worry and money by using them.

The Potter Perfection Dry Feed Hopper will interest you, also our guaranteed Incubators and Brooders. Do not delay in sending today for our large 64 page catalogue and circulars telling all about Potter Poultry Products for Particular Poultry People. Write us today.

T. F. POTTER & COMPANY,
Box L. Downers Grove, Ill.

EGGS FOR SALE FROM S. C. B. Rocks & S. C. B. Leghorns

I have also stock to sell of M. B. Turkeys, Pekin Ducks, Rankin strain and Brown Leghorns. The turkeys are large, well marked, bred from my 49 1.2 pound tom, are strong and hearty. Have a large range.

GEO. E. PATTON, Morgantown, N. C.



MANSON CAMPBELL,
President,
The Manson Campbell
Company, Ltd.

Let My 50 Years Success Start You Right for Poultry Profits

Whether you are an expert Poultry Raiser, or a Beginner, it will pay you, especially this year, to write me a postal for my **New Free 1908 Chatham Incubator and Brooder Book** on Poultry Science.

My 50 years of practical experience in building Chatham Incubators and Brooders is told fully in this book. I tell you how you can start in the poultry business with a small amount of money and offer to prove to you on 5 years' guarantee that my machines are the best made. My 1908 book is so full of the latest improvements in chicken raising methods and practical information that no Expert or Beginner can afford to overlook it.

Take 84 Days Free Trial of My Chatham Incubator

If you are an Expert, set a Chatham beside any other incubator in the world and prove at my risk for 84 days on 3 hatches that Chathams beat the rest.

If you are a Beginner, just hold off a day or two until you get my low factory prices direct to you—freight prepaid—and read my 1908 Book before you buy. Write a postal to me personally, now, to get it.

Learn all about our two immense factories—our new improvements and our ways of testing every machine at our own experimental station.

When a Chatham Incubator or Brooder leaves our factory to go to you it carries 50 years of successful experience with it and is an assurance of your success.

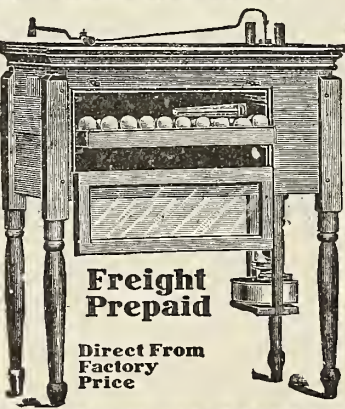
New, Free Chatham Poultry Book

It tells you how our \$500,000 invested in the Incubator manufacturing business is really an investment back of every one of our thousands of customers to make

successful poultry raising for the time they start with CHATHAMS. Write nearest office.

The Manson Campbell Company,
139 Wesson Ave., Detroit, Mich.

We have 24 Branch Warehouses, and make prompt shipments.



**Freight
Prepaid**

**Direct From
Factory
Price**

EGGS FROM EGGS BREEDERS WHITE WYANDOTTES

My birds are large, hardy, and vigorous, being good in color, shape and markings every way. I will mate my yards early this season and can furnish eggs from very fine matings at \$2.00 and \$2.50 per 15. For further information write

S. M. G. BREEDEN, JR., R. F. D. No 3, DECATUR, TENN.

PARRISH'S Light Brahmas — AND — Columbian Wyandottes

Parrish Breeds and Sells More Show Specimens than any
Five Brahma or Columbian Breeders in the South.

Write for Catalogue.

T. REID PARRISH,

NASHVILLE

TENNESSEE.

MILLIGAN'S STRAIN

S. C. WHITE LECHORNS

Are no experiment but have been bred for great egg production. Their winnings at Chicago, Cincinnati, Louisville, Nashville, Birmingham, World's Fair, St. Louis, State Shows, in fact the world's largest exhibits, stamp their quality, as judges and poultry artists claim them to be the

BEST STRAIN OF S. C. WHITE LECHORNS
in existence. Over 1,000 cocks, cockerels, hens and pullets. Birds sold and guaranteed to win in any competition.

JOHN R. MILLIGAN - - - Valley Station, Ky.

RHODE ISLAND REDS FROM THEIR NATIVE LAND



DO YOU KNOW that our EGGS are now ready to ship to you? If you want eggs from stock winning at the JAMESTOWN EXPOSITION, BOSTON, NEW YORK, CINCINNATI, write now for our mating list and get in your order. Have also saved over a few FINE COCKERELS for YOUR MATINGS.

PHILIP CASWELL,

Box H,

NEWPORT, R. I.

Partridge, Silver Penciled, Golden Barred & Barred Plymouth Rocks

White, Black, Columbian and Silver Penciled Wyandottes. My birds have won the highest honors at the World's Fair, Madison Square Garden, Philadelphia and Washington.

Moderate Prices.

Hillcrest Farms, Oakford, Pa.

Free Catalogue.

WM. F. FOTTERALL, Prop.

Rose Comb Rhode Island Reds

The only choicest specimens in my breeding pens, and they are bred to lay as well as win. *Winnings:*—Wilmington, N. C., 1902: 1st and 2nd pullets. Wilmington, N. C., 1903: 2nd cockerel; 1st, 2nd, 3rd and 4th pullet and 1st pen. Charleston, S. C., 1905: 2nd cockerel and 2nd pen. Charleston, S. C., 1906: 1st cockerel, 2nd and 4th pullet. At the great Jamestown Exposition in the strongest class of Reds ever shown in the South I won 3rd cockerel. Charleston, S. C., 1907: 1st and 2nd cockerel, 1st, 2nd, and 3rd pullet. Eggs \$1.50 per 15; \$3.50—50.

P. R. BROOKS,

BLACK CREEK, N. C.

POSITIONS SECURED or Money Back

CONTRACT given, backed by \$300,000.00 capital and 18 years' SUCCESS

DRAUGHON'S PRACTICAL BUSINESS COLLEGES

28 Colleges in 16 States. Indorsed by business men. No vacation
LEARN BY MAIL Bookkeeping, Short-hand, Penmanship, completing course. For "Catalogue H." or Home Study or "Catalogue P." on attending College, Law, Letter Writing, English, Drawing, Illustrating, etc. Money back if not satisfied after phone, call on, or address Jno. F. DRAUGHON, President Draughon's Practical Business College:
KNOXVILLE, NASHVILLE, MEMPHIS, ATLANTA OR DALLAS.

Dipple's Dots and Rocks.

In Indianapolis is a firm that breeds White Wyandottes and White Rocks to perfection. Their winnings at their home and at Jamestown were records to be proud of, and if our readers want stock or eggs from this firm there is no doubt that they will get what they buy. There are no better birds anywhere, in our judgment.

In speaking of R. I. Reds, Mr. A. M. Pearson, of Sylacauga, Ala., says that he has been a close student of poultry for a number of years, and that he has been breeding Reds for about six years. His first pen is headed by a \$50 Red Cloud cock, mated to six pullets of the same strain, of high grade, good even color, and markings correct in every way. This cock won 2d in a class of fifty Reds in Portsmouth, O.

\$200 PER MONTH IN THE REAL ESTATE BUSINESS. I handle real estate on the co-operative plan and need you no matter where located. \$10.00 capital will start you. Experience unnecessary, as I prepare you by mail and appoint you my special representative. Write for my offer and free book. G. W. Cupp, Mansfield, Ohio.

Nebraska Poultry President.

M. M. Johnson, the Incubator Man, was again elected President of the Nebraska State Poultry Association. The old saying that we can judge a man by the way his neighbors like him, is a good way to pass judgment. Johnson and his OLD TRUSTY Incubator seem to have made friends on the expansion order, beginning among his neighbors at Clay Center, Neb., and expanding until his goods are known in every corner of the earth among poultry raisers.

Mr. J. C. Vaughan, of Lebanon, Tenn., breeder of S. C. Black Minorcas and Scotch Collies, has good birds and good dogs.

Tennessee State Fair, Nashville,
September 21 to 26, 1908.



RIDER AGENTS WANTED

In each town to ride and exhibit sample bicycle. Write for special offer.
We ship on approval without a cent deposit, allow 10 DAYS FREE TRIAL and prepay freight on every bicycle.
FACTORY PRICES on bicycles, tires and sundries. Do not buy until you receive our catalogs and learn our unheard of prices and marvelous special offer.
MEAD CYCLE CO., Dept. 7233 Chicago, Ill.

For Sale--Cheap.

Must get rid of the following articles at some price, so I am cutting the price down below what they cost to manufacture, and I can not keep them long at these prices.

Ten colony houses, good as new, can be taken down or hauled one at a time, cost \$15 and \$18 apiece. Will go at \$5 and \$8 each.

Seventeen poultry no-louse roosts. Are almost worth their weight in gold—for lice are the bane of the poultryman's existence. These roosts are new—have never been used. Cost \$20. Yours for \$7.

Odd lots of feeding troughs and drinking fountains, of various kinds and sizes, all go at 25c apiece—many of them cost a dollar apiece.

Lice powders, roup cure, naphtholeum, 3x10 feet wire frames, lot of 2-inch mesh wire, at your own price. Go down to the University farm and look them over. Many other things you will want. These prices mean at the farm where they now are. Address inquiries to L. B. Audigier, 617 Gay St., Knoxville, Tenn.

INDIAN RUNNER DUCKS.

First prize winners at World's Fair, St. Louis '04; Herald Square, New York; Kansas City, Mo.; Chicago, Ill.

White Wyandottes, white as snow. State Show winners, Silver Cup winners. Birds score to 96. Pen to 101. Catalogue free. Expert poultry judge. Write me for terms and dates.

R. L. CASTLEBERRY, - - McCune, Kans.

The Largest Breeder of

Rose and Single Comb R. I. Reds and Silver Gray Dorkins

In the South, a specialty of 1 day old chicks and eggs. Send stamp for prices and particulars.

J. H. CROUSE & CO., FRANKLIN, TENN.

Brown and White Eggs.

It is a curious fallacy that the brown colored egg is necessarily superior to the ordinary white egg, a belief which has led to the practice of artificially coloring the latter in imitation of the former. It is doubtful whether the color of the shell bears any relationship to the nourishing quality of the egg. As those who rear poultry know, it is merely an indication of the strain of the laying bird. Still, a preference is very commonly shown for the brown or coffee-colored egg; the color is attractive, and, led by the eye, the choice is very generally made in favor of what is regarded as the richer and superior article. The practice of deception is thus encouraged. The shell of the white egg is stained in the simplest possible way, perhaps by immersion in a decoction of coffee berries or by means of an aniline dye. This resource may satisfy the eye, but, after all, there is probably not the slightest difference from the nutritive point of view between the naturally brown colored egg and the white one.

There is most probably, however, an important dietetic difference between two eggs, the yolk of one of which is very pale yellow in color and that of the other a rich, almost reddish color. It is a notorious fact that the country-produced egg may usually be placed under the latter description, while the egg produced by the hen who is under an unhealthy and limited environment shows an anaemic color, generally a very pale yellow. The eggs of wild birds, as for example, the plover, show a yolk of rich reddish color.

The substance which contributes color to the yolk of the egg is iron, just as it is iron which gives color to the blood, and there seems to be little doubt that the iron compound in the yolk of the egg is of similar nature to that of the blood. It is easily assimilated, and eggs are regarded as a suitable food for the anaemic person, as they present a concentrated and generally easily digested form of nutriment rich in iron. The iron compound of the egg has, in fact, been termed a "hamatogen," because it is probable that from it the blood of the chick is derived. The amount of iron in the yolk of an egg would appear to increase with the intensity of the color, and there can be little doubt that the maximum is reached in the richly colored yolk of the egg produced by a fowl existing in healthy surroundings, for then its processes or nutrition would be working under very favorable conditions. As an article of diet, therefore, the egg should be judged, not by the color of its shell, but of the yolk, which should be of rich reddish rather than of a pale yellow color.—*Lancet*.

FISHEL WHITE ROCKS.

I have a pen of birds which I bought direct from Fishel last season and paid \$50.00 for. Also a pen of young birds bred from them. The first draft for \$40.00 gets both pens. The best in the world strain at scrub prices. Act quick if you want them.

C. W. BUTTLES,

Route 3, Kansas City, Mo.

How We Live.

We live by digesting and assimilating food, and not merely by eating it. Milk as food builds up and forms body tissues and fluids and repairs waste. When taken slightly in excess the unused portion, mostly butter fat, is stored in the system for future use. As is well known, fluid milk and vichy is a wholesome drink for many who can not assimilate milk alone. A pinch or two of salt in a glass of milk will produce a similar result. It aids in the easier digestion of the curds as formed in the stomach prior to digestion. It is wise for the possessor of a weak stomach to sip a glass of milk slowly, instead of drinking it hurriedly. The larger the quantity of milk taken at one draft the greater the difficulty of its digestion. It may not be generally understood that hot milk taken into the system is almost immediately absorbed. It is stimulating, without reaction.

\$1 Worth of FLOWERS
35 kinds 25¢ 35 kinds

Money back if not satisfied
Enough choice seeds and bulbs to plant a complete flower garden—all at a give-away price to induce trial orders, and show the quality of our stock

20 Packets Seed

1 pkt. Alyssum, Little Gem	1 pkt. Giant Verbena, Mixed
" Mary Semple Asters, 4 cois.	" Washington Weeping Palm
" Carnation, Marguerite	" Umbrella Plant
" Forget-Me-Not, Victoria	" Double Chinese Pink
" Hibiscus, Crimson Eye	" California Sweet Pea
" Poppy, American Flag	" Bouquet Chrysanthemum
" Phlox, Drummondii	" Japan Morning Glory
" Pansies, 10 colors mixed	" Petunia Hybrid
" Nicotiana Sanderae, New	" Roses, New Climbing
" Heliotrope, Mixed	" Lovely Butterfly Flower

15 Summer Flowering Bulbs

1 Spotted Calla; 1 Summer Flowering Hyacinth; 1 Double Pearl Tuberose; 3 Butterfly Gladiolus; 2 Hybrid Gladiolus; 2 Montbretias; 1 Cinnamon Vine; 2 Hardy Wind Flowers; 2 New Pedigree Cannas. Check worth 25 cents of your first \$1 order, also our 136-page new Illustrated "Floral Guide." All the above for only 25¢. Order to-day.

The Conard & Jones Co., Box 26, West Grove, Pa.
Growers of the Best Roses in America.

THROW PEARL TO POULTRY

They'll make a lively scramble. They'll scratch and hunt for it in the litter because they like 'the flavor' and the sharp, square corners. It beats gravel and oyster-shell, and serves the double purpose of a grit and shell-maker. It's easy for hens to see it, because it's white and reflects the light. Then it's clean; you don't have to pay for a lot of useless trash—you get just 'grit.' It's hard, and holds its sharp edges and grinding points till at last dissolved in the hen's or chick's gizzard. Three sizes for chicks and hens. It contains Lime, Magnesia, Silica, Sulphur, Iron, Alumina—all necessary to balance the food ration. These go to help make bones, feathers, yolk and shell. So, if you would have your fowls vigorous, bright-eyed, strong in legs and eggs—throw Pearl to them and ex-

Pearl Grit**Sharp, Clean, Hard, White,**

perience these results. Our free book, "True Grit," tells a lot about chicks and hens, that you would like to know. We gladly send it. Just write us.

THE OHIO MARBLE CO.
No. Wayne St.,
Box 225,
Piqua, Ohio.

EGGS AT 'HARD TIMES' PRICES

On account of the condition of the money market, for THIS SEASON ONLY we are going to sell Eggs

From Our Famous 'Quality Kind' White Wyandottes**AT JUST HALF PRICE**

Viz: Fifteen for \$2.50, One Hundred for \$10.00, Five Hundred for \$40.00

First Prize Winners at all leading Southern Shows. SPECIAL: During February and March we will give free of charge a nice utility cockerel with each order for 100 or more eggs. Write for catalogue, if you mean business.

D. D. SLADE, Prop.
J. H. ROBEY, Mgr.

Box 91, Lexington, Kentucky.**S. C. R. I. Reds :: Indian Runner and Rouen Ducks**

Beginning June 1 we shall offer some grand breeders at attractive prices. Females, 1 and 2 years old, \$1.50, \$2.00 to \$2.50. Males \$2.50 to \$5.00. Mated trios and pens at all prices. Also eggs and chicks. Write us your wants. Birds shipped on approval.

W. H. WITHINGTON, Mgr.**WHITE BIRCH POULTRY FARM, Bridgewater, Mass.**

The great interest in poultry raising is not confined to any one farm or any one section of the country. This is an industry that has no limit. Let us remember in connection with the many good things in this issue, that the value of the poultry and egg products reach an annual figure of half a billion dollars, equal in amount of value to that of the wheat crop. One would hardly think that this is true. The consumption of eggs increases in each year, even against the odds of high prices. There seems to be no limit if fresh eggs can be guaranteed. This is also true of choice butter. It is also true of choice fruits. First-class graded apples today can not be found in sufficient quantity to fill demands. The assertion that there is a surplus of poultry or eggs has no foundation. If it were true eggs would not be bringing such high prices. The farmer has no crop or stock on the farm that pays better for the small investment than in his poultry—rightly cared for. This does not apply, of course, to a brood of mongrels that do not pay their keeping. It does apply to a good brood of Rocks, Wyandottes, Cochins or Leghorns.

INCUBATOR OIL

You can increase your hatch twenty-five per cent by using in your incubators

Soline Oil

No Smoke, no Odor, a perfect Oil, made from premium Pennsylvania Crude.

Orders filled from Knoxville and Chattanooga, Tenn., High Point and Greensboro, N. C., Baltimore and Cumberland, Md. Address

TENNESSEE OIL COMPANY,
K. & O. Rv. Knoxville, Tenn.

INDUSTRIOUS HOUDANS

As show birds and winter layers, they have never been beaten. I won my first show record in Kalamazoo, Mich., in 1891, and have been first prize winner ever since. I have line-bred from imported stock from the start and can suit the most exacting. EGGS \$2.00 per 15. Circular free.

A. A. CHIVERTON, Box 62, Livermore, Ky.

THE CEDARS

Orpington eggs, \$1.25 and \$2.50 per 15.
S. C. W. Leghorn eggs, \$1.50 per 15.
Indian Runner Duck eggs, \$1.50 per dozen.
W. Wyandotte pullets, 90c and \$1.10 each.
S. C. W. Leghorn pullets, 75c and \$2.00.
Buff Orpington pullets, \$1.50 and \$2.50.
Buff Orpington breeders, \$1.25.

GEORGE E. MORSE,
Cleveland, Tennessee

WHITE ROCKS

— AND —

S. C. BLACK MINORCAS

EXCLUSIVELY.

FISHEL AND NORTHUP STRAINS.

Our motto: "Nothing but the best is fit to live." Eggs \$2.00 per sitting. A few white cockerels for sale. Satisfaction guaranteed or money refunded.

WOODLEY & COTTON,
403 Road St. - Elizabeth City, N. C.

WOODLAND POULTRY FARM

Has been Taking Prizes for Twenty Years in

B. P. Rocks, Black Langshans, White Wyandottes, S. C. White and Brown Leghorns and S. S. Hamburgs

BLOOD TELLS. THEY WIN FOR ME AND WILL WIN FOR YOU

Mrs. R. H. Bell, Washington Pike, Knoxville, Tenn.

DOAK'S WHITE WYANDOTTES

WON AGAIN AS USUAL

At NASHVILLE Sept. 23-28, 1907: 1st Pen, 1st Cock, 1st Hen, 2d Pullet,
\$25 Cash Prize--BEST PEN IN SHOW, ANY BREED

E. L. DOAK, Greenwood Ave., NASHVILLE, TENN.

FIRST COCKEREL—JAMESTOWN EXPOSITION

AMONG OUR
WORLD'S BEST

— WILBER'S SINGLE COMB WHITE LEGHORNS —

Unexcelled America over for Beauty, Egg Production and Show Quality and winners in eighteen of America's best Shows. Choice birds at right prices. Eggs \$2, \$3 and \$5 for 15. \$3.50, \$5 and \$7 for 30. Write us your wants. Satisfaction Sure. Handsome catalog free.

WILBER BROTHERS Box G. **PETROS, TENN.**
The White Leghorn Men.



S. C. Brown Leghorns

TWENTY years breeding, judging and preparing birds for exhibition enables me to furnish winners. Some fine stock, both old and young, now ready for shipment.



D. M. OWEN, - Athens, Tenn.

EGGS FOR HATCHING

White, Buff and Barred Rocks,
Silvered, Buff and Golden Wyandotte,
White and Brown Leghorns,
S. C. R. I. Reds, Guaranteed Pure,
Also 75 Varieties Strawberry Plants.

CATALOGUE FREE.

J. A. BAUER,
Box 21 - Judsonia, Ark.

CEDAR HEIGHTS POULTRY FARM

Columbian Wyandottes	Eggs \$5.00
Mammoth B. Turkeys	6.00
Toulouse Geese, each	75
Black Langshans	3.00
Rouen Ducks	3.00
Homer Pigeons—Prize Winnings.	

MRS. LOU LUSKY, Mgr.
Route No. 5. - Nashville, Tenn.

WHITE WYANDOTTES

Eggs from High Scoring
Birds. First pen \$3.00,
second pen, \$2.00 per 15
eggs

MISS LIZZIE NOELL,
COVINGTON - TENNESSEE

The Commoner

Edited by W. J. Bryan

Regular subscription price is \$1 a year. We will send THE HEN free for one year to those who send us \$1 for a year's subscription to Bryan's Commoner. Send order to

The Industrious Hen
Knoxville, - - - Tennessee

STANDARD OF PERFECTION

REVISED AND
ILLUSTRATED

PUBLISHED BY
AMERICAN
POULTRY
ASSOCIATION



The above is a reproduction of the cover of the new Standard which contains nearly 400 pages, and has nearly 100 full page illustrations of male and female of the leading varieties. Many important changes and additions have been made, and no other changes will be made until July, 1910. You will be groping in the dark without this authority.

This book is the only authorized description of the different varieties of fowls and is issued by the American Poultry Association, who fix the price at \$1.50. It is the law which governs the judges in making their awards. You can neither buy, sell, show or breed thoroughbred fowls without it. We can furnish a copy of this book at above price postpaid. You can not know which birds to take to the show and which to leave at home without it.

THE INDUSTRIOUS HEN one year and the Standard, \$1.75.

THE INDUSTRIOUS HEN COMPANY
KNOXVILLE, TENN.

Souvenir Post Cards

Are All the Rage

We manufacture them for you from photographs of yourself, your children, your residence, animals, birds, etc., plain or colored. Quick delivery guaranteed. Send for samples and prices.

The Industrious Hen Co.
Knoxville, - - - Tennessee

..THE COMMONER..

Bryan's Paper, one year - - - \$1.00
The Industrious Hen, one year - .50
\$1.50

The two one year for \$1.00 if subscription is sent to this office.

LUMLEY'S LANGSHANS (Bk.) LEGHORNS (S.C.W.)

Best winter layers on earth Record laying strain

RHODE ISLAND REDS (S.C.)

The utility bird

PEKIN DUCKS

Laying at 5 mos. old

INDIAN RUNNER DUCKS

Lay like Leghorns

Our birds are standard bred and from finest laying strains. Prize Winners every time 16 First, 9 Second, 7 Third Premiums in three September, 1907 shows. 1907 Tennessee State Fair—7 birds entered—won 3 1sts, 3 2nds, 1 3rd. 1907 Georgia State Fair—5 entries—1st cockerel, 1st pullet, 1st pen, 3rd pullet.

Eggs From prize winning pens (as good as anyone's) \$2.00 for 15

Other pens \$1.00 for 15. Satisfaction guaranteed
W. E. LUMLEY, Wrightsville, Ga.

WHITE ORPINGTONS

Guaranteed best quality. Winners at the leading shows in the country. Two Silver Cups this season. One for best hen and pullet entire show, Va. State, Jan. '08. 3 entries Jamestown, 1st ckl, 3rd hen and pullet.

Have supplied winners at the large large shows, my own breeding. Three exceptional pens for 1908. Egg trade mated to produce results. Quality assured. Send for circulars, illustrated and convincing.

F. S. BULLINGTON,

Box 328 F., Richmond, Va.
Sec. Treas. Am. White Orpington Club.

Valley View Poultry Farm

Won 1st, 2nd, 3rd ckl, 1st cock, 1st pen, 3rd hen, Barred Rocks, at Lebanon Poultry Show, Jan. 22nd. Also 1st ckl, tied 2nd, tied 3rd pullet, 3rd hen, 3rd pen White Wyandottes. Eggs \$2.00 and \$3.00 per 15.

R. H. YOUNG, Route 5. WATERTOWN, TENN.



1908 CATALOGUE FREE

Describes and gives prices of forty-five leading varieties land and water fowls and eggs. Every person interested in poultry for pleasure or profit should send their address for this book.

S. A. Hummel, Box 39, Freeport, Ill.

IDEAL POULTRY AND STOCK FARM

800 to select from. Some prize winners for sale cheap.

White and Silver Laced Wyandottes, (specialties), White and Brown Leghorns, Black Minorcas, B. P. Rocks. Birds \$1.00 up. No culls sent out. Satisfaction or money back.

Pedigreed Large English Berkshire Pigs \$6.00 to \$8.00. Write us before placing order.

C. E. SMITH, "Wyandotte Crank," Afton, Tenn.

..SPECIAL..

The Industrious Hen, one year - - 50c
Southern Fruit Grower, one year - 50c
An "Aroma" Grape Vine - - - 25c

1.25

The three for - - - - - 50c.

AROMA. Red; a new variety; bunches medium; berries the largest we know of; foliage healthy. Ripens the middle of August. A very promising variety, well worth a trial. Not subject to rot.—From Catalog. Send orders to The Industrious Hen, Knoxville, Tenn.

AGENTS WANTED

We grow a complete line of Nursery Stock. Splendid contracts offered to agents. If you want to plant an orchard, write us.

KNOXVILLE NURSERY CO.,

Knoxville, Tenn.

Ringlet Barred Rocks

PRIZE WINNERS.

As proven by their winnings at the recent show at Charleston, S. C., 1st cock, 3rd cockerel, 1st, 2nd, 3rd hen, 1st pen, 2 specials.

ONLY SIX ENTERED.

Cockerels for sale from those winners. Eggs, \$2.00 per 13 from best matings. Trapnested heavy laying strain S. C. White Leghorns, eggs \$2.00 per 13.

Anna McCullough

Box 836.

Charleston, S. C.

Eggs From the Best Known Strain of ROSE AND SINGLE COMB Rhode Island Reds

Barred Plymouth Rocks

Light Brahmas



Stock for sale after August first. Eggs from 2 yards of each breed for \$1.50 and \$2.50 per 15. 30 cockerels, Barred Rocks and Buff Orpingtons and a few pullets at \$1.00 and \$1.50 each.

J. C. GATE, Route 1, MARTIN, TENN.

Your Name Will Get \$2 Eggs

For 50 Cents Per Sitting

The White and Brown Leghorns are the greatest layers in the World. I keep 3000 of the celebrated Chamberlain laying strain on my Perfect Chick Farm, and to increase the sale of my Perfect Chick Feed, I will send to any one who will send me their name so I can send them my Perfect Chick Feed Catalogue, 2 sittings of Single Comb Brown or White Leghorn Eggs for \$1 for the 2 sittings. Only sold in lots of 2 sittings. Eggs by the 100, \$5. White or Barred Plymouth Rock or Rhode Island Reds or Silver or White Wyandotte Eggs, \$1 per sitting. Bronze or W. Holland Turkey Eggs, \$2 for 8. This is a rare chance to get a start of extra fine stock. Send Post Office orders on St. Louis and have your orders booked early. W. F. CHAMBERLAIN, (The Perfect Chick Feed Man) KIRKWOOD, MO.



\$50 CASH

and \$10 Per Month buys a \$500 25 acre poultry, fruit and vegetable farm. New 3 room cottagelike cut. Best climate, water and markets in Sunny Virginia. Other lands \$10 acre up. Send for beautiful pamphlet, maps and rates.

F. H. LA BAUME, A. & I. Agt., Norfolk & Western Ry., Box N.V., Roanoke, Va.

PHOTOGRAPHS

OF YOUR

BIRDS

for the purpose of having

1/2-tone Cuts

made should be sent direct to

THE INDUSTRIOUS HEN CO.,

KNOXVILLE, TENN.

The Best Cuts—The Least Money

Success with a flock of hens depends upon management. Having once chosen a breed—and it is all-important to do this at the start, taking into consideration just what qualities you desire—to study their nature; and care is the second step. Proper housing, feeding, mating and breeding come next. After this we have the production of eggs and raising of the chicks to marketable size. Once this branch, which is really the market side of the business, is mastered, attention to breeding fine specimens may be added. I do not agree with many breeders that fine birds, bred with the desire for show specimens, should be the first step. This belongs more especially to the amateur fancier, who may be indifferent to profits, but more anxious for reputation gained by success in the show room. It would be folly to attempt to breed a race horse before one had any knowledge of horse breeding at all. It is true it costs no more to keep a show bird than it does a scrub, but it costs considerably more to lose the former than the latter. To start with thoroughbred stock, I believe in fully. The strongest and healthiest specimens one can obtain are none too good for the market branch. These are getting scarce enough, and it would pay breeders better to improve their flocks with this end in view than to devote so much time to form and feathers.—E. O. Roessle.



CORNISH INDIAN GAMES

Winners of 1, 2, 3 prizes, Alabama. Agricultural Fair, 1907. Buy eggs from acclimated stock—from my prize winners you get the best. Eggs \$2.00 per setting.

W. R. GREENE,
30 Amanda Street, Montgomery, Ala.

THE N. Y. TRIBUNE-FARMER
Illustrated Weekly, one year - - \$1.00
The Industrious Hen, one year - - .50

\$1.50
The two one year for \$1.00 if subscription is sent to this office.

S. AND R. C. RHODE ISLAND REDS

S. C. White Leghorns; Barred Rocks; S. C. B. Minorcas; Pearl Guineas; Indian Runner and Pekin Ducks. Toulouse Geese. Stock for Sale Eggs in Season. Prices right.

MRS. K. C. FLANIGAN, Hohenwald, Tenn.

JUST SEND 25 CENTS

And get two dozen of the smartest colored post cards that ever "come down the pike." Address

Industrious Hen Co., Knoxville, Tennessee

PARK POULTRY PENS

Miss Alice Pelton, Mgr., Nashville, Tenn.

R. I. REDS AND BLACK LANGSHANS

Fine lot of young cockerels sired by 2nd prize Rhode Island Red cock at State Fair at \$2.50 and \$5 each.

WILL CLOSE OUT SOME ELEGANT YOUNG LANGSHAN STOCK CHEAP



S. C. BROWN LEGHORN FRUIT FARM.

EXHIBITION FEMALES A SPECIALTY.

Eggs \$1.00 and \$2.00 for 15; \$2.50 per 50; \$1.00 per 100. Can fill big orders.

Stock for Sale.

Satisfaction Guaranteed.

Reference: Athens Bank and Trust Co.

Fruit Trees for sale cheap.

C. G. GUFFEY, - - Athens, Tenn.

Route, 7. P. O. Box, 39.

The KNOXVILLE STORAGE CO.

SOLE AGENTS, 123 Jackson Avenue, KNOXVILLE, TENN.

CARRY FULL LINE CYPHERS' INCUBATORS AND BROODERS.

Prospective buyers are invited to call or correspond. They can save you money and show goods before you buy

BUFF WYANDOTTES


Blocky, Blue Blooded and Buff to the skin. These are business birds as well as prize winners. I have bred them for years and breed them true and right. At Bristol, December, 1907, I won 1st, and 3rd Cockerel, 1st and 2nd Hen, 3rd Pullet, 1st Pen and all Club Specials in one of the largest classes at the show. My birds are true buff in color, good size, good shape and full of vigor. A few fine Cockerels for sale. Eggs for Hatching from Prize Matings, \$2.00 and \$3.00 for 15.

W. C. GRIFFIN, - BRISTOL, TENN.

POULTRY MEN

Send for our new 36 page Illustrated Poultry Catalogue. Absolutely Free.

EAST DONEGAL POULTRY YARDS,
MARIETTA, PENNSYLVANIA.



THIS IS THE LIMIT

\$5.00 FOR A 50-EGG HOT WATER

Buckeye

SELF-REGULATING INCUBATOR

Guaranteed to hatch every hatchable egg. Chicks will be stronger and healthier because hatched under conditions that produce fullest development of strength while in the egg. With a 50-chick Brooder, only \$9.00 for Complete Outfit, delivered, Freight Paid east of the Rockies on Send for FREE BOOK giving prices and describing this and larger sizes, Brooders. Supplies, and telling all about our great trial offer.

BUCKEYE INCUBATOR CO., Box A110, Springfield, O.



No. 6; Score 93, Egg Record 197.

BLUE BLOOD
Winners.

HARD TO BEAT

LARGE PRODUCTION
Layers.

BAYNE'S EGG RECORD STRAIN OF WHITE WYANDOTTES

With fowls having an average egg record of 198 eggs in a year, I won this season at Knoxville, December, 1906, 1st hen, 3d cock, 2d pen, highest scoring W. W., and had best shaped male. At Bristol, Va., January, 1907, 1st, 2nd cock; 1st cockerel; 1st, 2nd, 3rd, 4th hen; 1st, 3d pen; best shaped male, and silver cup for largest winning display of 10 or more birds in American class. My fowls have vigor, health and hardiness; raised on free range—forty acres. Breeds, show or business birds on sale. Eggs \$2 for 15; \$3.50 for 30; \$4.50 for 50; \$8 for 100.

T. L. BAYNE, RUSSELLVILLE, TENN.

Cup Won at
Bristol Show.



FIRST PRIZE COCKEREL

Knoxville, Tenn.,
JAN., 1908,
(31 Cockerels Competing)
By JUDGE OWEN.

I also won
2nd HEN,
2nd PEN,
4th PULLET (tie),

No Cocks Exhibited.

145 BROWN LEGHORNS
COMPETING IN CLASS.

EGGS
\$5.00, \$2.00, \$1.00
PER SITTING

J. H. HENDERSON, THE BROWN LEGHORN SPECIALIST KNOXVILLE, TENN.

MEMBER AMERICAN BROWN LEGHORN CLUB.



EGGS FOR HATCHING

Now ready for shipment. My circular is free. Henderson's Brown Beauties never disappoint. Try 'em.

WARD'S RHODE ISLAND REDS



At the Orlando Poultry Show, Dec. 18, '07, our birds won as follows: 1st pen, 2, 3, 4, ck; 1, 2 hen; 1, 4, ckl; 3 pul. Both Red Club silver cups for best pen, and display. Specials for shape and color on male and color on female. Grand sweepstakes prize for highest scoring bird in the show.

Eggs From Special Matings \$2 per Setting.

LIMITED NUMBER eggs from our selected Prize Yard, headed by "Osceola," our champion Cockerel, and containing hens and pullets scoring from 92½ to 95, at \$5.00 per 15.

We make a specialty of incubator eggs at \$8 per hundred. Write for our free illustrated booklet, describing our birds.

LAKE MONT FARMS, C. FRED WARD, Prop., WINTER PARK, FLA.

Member both Red Clubs and American Poultry Association.

RHODE ISLAND REDS ROSE AND SINGLE COMB

Largest Exclusive Breeders of Reds in the South

All birds standard bred, correct color, hardy and prolific. None but the best allowed to live. Send us your orders if you wish to start right. List of winnings, with matings for 1908 free.

Eggs from Prize Pens, \$2.00 per 15. Special Prize Matings, \$5.00 per 15

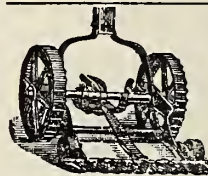
WEST DURHAM POULTRY FARM,

WEST DURHAM, N. C.

Balanced Ration for Chicken.

Will you please give balanced ration (for winter egg production) of corn and oats where chickens have plenty of green feed and such other food as is found on an ordinary farm? Number of chickens, 75. Chickens running at large.—Subscriber.

Ans.—"Plenty of green feed" is more than half the ration. Look to the supply of protein in this case. Neither corn nor oats will supply all that is needed. Use meat scraps or a little cotton seed meal to produce this material. Use a one-fifth pound of grain to each grown fowl daily. Allow for one-third of grain to be cotton seed meal. Moisten crushed corn or oats slightly to make the cotton seed meal stick before feeding, but do not feed as a dough. If meat scraps can be had from butcher shop at interval of a week use these freely instead of the cotton seed meal.—Farm and Ranch.



THE CLIPPER CUTS

tall grass and weeds, and does all the trimming along the fences, walks and drives. Send for free catalogue. CLIPPER LAWN MOWER CO. Dixon, Ill.

ACME POULTRY SUPPLY CO.

MANUFACTURERS OF

ACME POULTRY FEEDS & POULTRY SUPPLIES

Largest Concern of Its Kind in the South

SEND FOR PRICE LISTS

ACME POULTRY SUPPLY CO.

NASHVILLE, TENN.



THE FAVORITE BAND

Adjustable. Prices post paid, 12 for 15c., 25 for 20c., 50 for 35c., 100 for 60c.

CHAS. L. STILES, Columbus, O.

...FAUST'S BUFF LEGHORNS...

ARE RIBBON PULLERS.

Cockerel in breeding scores 95½. Pullets and hens, from 93 to 95½ points.

EGGS \$2.00 PER FIFTEEN

L. C. FAUST, NEW MARKET, TENN.



MOFFITT'S

Perfection Ideal Aluminum Leg Band—is for 15c; 25 for 20c; 50 for 35c; 100 for 60c. State variety bands are for. Send two cents for sample. For Poultry and Pigeons.

J. MOFFITT, Southbridge, Mass.

PRINTING

—FOR—

Poultry Breeders

Send 16 cents in stamps for large Cut Catalog, Sample and Prices, stating your wants.

W. H. Wagner & Sons

117 Spring Street

Freeport, - - Illinois



Johnson Says INCUBATOR MAN to tell you that

"It's the inside of an incubator that hatches chickens."

Some people seem to be afraid to tell how their incubators are made. Other manufacturers seem to think that the more complicated they make their machines appear, the more contraptions and do-funnies they get about them, the more easily they can sell them. There has been so much tommy-rot written about the "theory of incubation," that I'm sometimes inclined to let "Old Trusty" stand on its record—results are what you want and "Old Trusty" gives them. But "Old Trusty" is so simple, that it's easy to see why it gives such good results. Hatching chicks is largely a matter of heat—the right temperature. That's all the old hen bothers about and that's the principal thing we have to consider. Ventilation and moisture are important: they are taken care of all right in Old Trusty, but in temperature and regulation our patented copper-pipe heating system, and our double connected wafer direct regulator, positively excell any other incubator ever made. You can see for yourself, if you examine "Old Trusty."

The water as it is heated in the heater, flows through a pipe to the far end of the incubator, while it still retains all its heat.

This pipe is relatively small as compared with the pipes around the outer edges of the egg chamber; it has only $\frac{1}{2}$ the radiating surface, therefore it does not overheat the center on the end of the egg chamber nearest the heater.

That's why there are no cold corners in "Old Trusty"—why an absolutely uniform temperature is maintained in every part of the egg chamber. And that's why "Old Trusty" makes such phenomenal hatches, and gives such universal satisfaction. And why I can offer to send the FAMOUS "Old Trusty" to any one, any where on



**40, 60 or 90
Days Trial
Johnson Pays
The Freight**

40, 60 or 90 Days Trial, Freight Prepaid

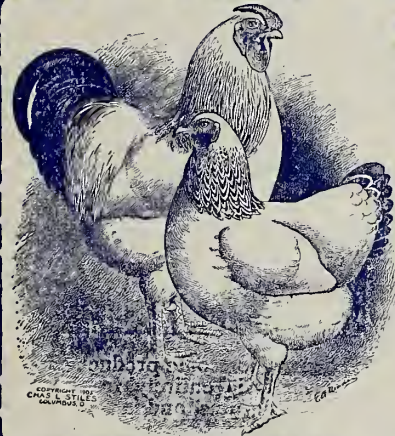
No matter where you live. I have machines distributed so that I can make prompt shipment and quick delivery. I sell direct; I give as strong a guaranty as I can write in plain English, and I'd like to have you give "Old Trusty" a trial. I believe I can help you in this poultry business, and I know that if you are interested in chickens you'll be glad to have

Johnson's "Old Trusty" Book

There are 176 pages of it, and I've put into it the very best I know about hatching and raising chicks. A good many people have said that it's the best poultry book of the year, but maybe they want to flatter me. Anyway, I'm willing to leave that to you, after you **Get the Book.**

There are 300 pictures in it—many of them foreign scenes showing how "Old Trusty" works on the other side of the world. Shall I send you one? Write to

M. M. JOHNSON, CLAY CENTER, NEBRASKA



Butler's Columbian Wyandottes

—ARE THE BEST—

Won first and second cockerels, first and second pullets, first pen at State Fair, Nashville, September, 1907.

Greater Nashville Show, Jan. 1908, 1, 2 pul, 2 ckl.

Stock and Eggs Always on Hand

WRITE ME YOUR WANTS.

JAS. M. BUTLER, MURFREESBORO, TENN.

BLACK LANGSHANS, 22 1sts AT 5 BIG SHOWS THIS SEASON.

Jamestown Exposition: 1st ck, 1st ckl, 1st and 2nd hen, 2 and 3 pul, no pen shown.
Nashville, Tenn., January, '08: 1st and 2nd cock, 1 and 2 ckl, 1st, 2nd, 4th hen, 1st and 3rd pullet, 1st pen.
Lexington, Ky., January, '08: 1st cock, 1st and 2nd ckl, 1, 2, 3, 4 pullet, 1, 2, 3, 4 hen, 1st pen.
Birmingham, Ala., 1 and 3 ckl, 1 and 3 hen, 1, 2, 3 pullet, 1st pen.
Bristol, Tenn.: 1, 2, 3 cock, 1 and 3 cockerel, 1 and 3 hen, 3 and 4 pullet, 1st pen.

Eggs from these prize winners, \$3.00 per 15.

W. H. COCHRANE,

Box 343,

BRISTOL, TENN.

BUFF ORPINGTONS, S. C. BLACK MINORCAS

BLUE BLOODED, FARM RAISED, PRIZE WINNING, MONEY MAKERS.

The fowls for eggs, for meat, for general purposes. Won in Buffs, 1st cock, 1st ckl., 1st and 2nd hen. In Minorcas, 1st and 2nd hen at Morristown show; Owen, judge. My fowls are great egg producers, lay when eggs are scarce. They are full of vigor, vitality and vim.

Eggs, Orpington, \$2.50. Minorcas, \$2.00, a setting.

MR. AND MRS. GEORGE MILLER

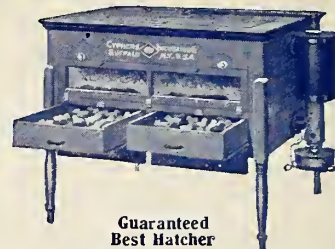
HILL TOP POULTRY FARM, R. 2.

Russellville, Tenn.

SOURCE OF INCOME

IN GOOD TIMES OR IN BAD TIMES

The Thrifty Hen With Her Daily Egg



Guaranteed Best Hatcher

can be relied on to "pay for her keep" and a profit besides. Investing in an incubator is not like buying a piano, a bicycle, or a buggy; it is an investment FOR GAIN; it is the purchase of something with which to make money, with which to better your financial condition.

Now That Hard Times Are at Hand It Becomes Necessary

for tens of thousands of men and women to turn to the so-called "small things" of life for their cash income—to poultry keeping, home gardening, etc., and of all these side issues, "keeping a few hens" is by far the most convenient and the most profitable. Where even limited yard room is available, 150 to 200 per cent profit can be made from moderate sized flocks.

Cash, Trade or Food: Keeping Poultry on The Home Place

(say two hundred to one thousand head, old and young included) is practically "a sure thing" in the form of an investment. A hen will produce an egg for less than one-half the cost of food and her product is always cash, or as good as cash. If you do not wish to sell the eggs they are Nature's most complete food and the best known substitute for meat. Finally, when you are through with the hen as "an egg machine," you can eat her or can sell her at a price above cost.

CYPHERS INCUBATORS

Are Making Big Profits For Thousands of Discriminating Customers

who have invested in them as the "World's Standard Hatchers" during the eleven years they have been on the market. Please note carefully the following sample reports:

Four Hatches:—"Last February I warmed up a Cyphers machine, 220-egg capacity, ran it through four hatches and got 712 fine, strong chicks. Chicks were raised in Cyphers Style A Outdoor Brooders and fed on Cyphers Chick Food with fine results.—GEO. H. LORD, Stafford, Conn., Sept. 18, 1907."

Since 1900:—"Have used your incubators and brooders since 1900. Have hatched everything from White Cochins Bantams to Pekin Ducks and have never had a poor hatch. I raised 180 chicks to the age of ten weeks from 188 placed in your brooders.—F. P. WILDMAN, Flint, Mich., Sept. 30, 1907."

Store Eggs:—"My first hatch from the Cyphers Incubator came off two days ago. We got one hundred and eighty-four chicks from two hundred untested eggs that were bought at a country store.—N. G. GUMBIE, Greenwood, Ark., March 24, 1907."

Write Today For 212-Page Free Catalog of Incubators, Brooders and Poultry Supplies—the Biggest Catalog—the Greatest Variety of Poultry Supplies Manufactured by Any One Firm—Everything for Poultry-Keepers. In this Big Catalog our Goods are illustrated and described. Read it and judge for yourself where you can get the Best Goods, and Save Your Time and Money. Read it and become posted on the Poultry Industry of Today. See the photographs of the World's Largest Duck Plants, America's Leading Egg Farms, the Most Successful Exhibitors—Winners at Our Big Shows—New York, Boston, Chicago, etc.; Read the opinions of Experimental Station Experts, and you will be glad you sent for this Great Book. It also tells about Hatching Chickens with Electricity. Address nearest office.

CYPHERS INCUBATOR COMPANY,

**FACTORY AND HOME OFFICE:
BUFFALO, NEW YORK**

BRANCH HOUSES: 21-23 Barclay St., New York City; 26-30 Union St., Boston, Mass.; 310 Fifth Ave., Chicago, Ill.; 2325 Broadway, Kansas City, Mo.; 1569 Broadway, Oakland, Cal., and 117 Finchbury Pavement, London, England.

Spring Time, Chick Time

Do You Know How To Feed To Raise Them?

Most little chick troubles, such as Indigestion, Diarrhoea, Sour Crop and Bowel Troubles, are brought on by improper feeding. These are the things that cause such frightful losses. The most successful poultrymen agree that they cause nearly all the deaths.

DARLING'S CHICK FEED

enables you to avoid these little chick complaints and the high death rate. It is a clean, wholesome product composed of the best selected seeds and grains and sweet, finely ground meat products. It is entirely free from sweepings and worthless seeds. It contains all the strength and nutriment of the perfect grains, and is not to be considered as in the class of by-product chick feeds from breakfast food factories which have had the best part of the grains taken out.

It Is The Best Feed Because

- it is adapted to little chick needs
- it contains the right amount of grit
- chicks digest it rapidly
- it starts chicks right and induces rapid growth
- it is reduced to proper size
- it is rightly balanced to produce best results.

PRICE—\$2.50 per 100-lb. bag, F. O. B. Cars, Chicago or New York, Cash with Order.

Darling's Laying Food.....	\$2.00	Darling's Beef Scraps.....	\$2.75
Darling's Scratching Food.....	2.00	Darling's Oyster Shells.....	.60
Darling's Forcing Food.....	2.00	Darling's Mica Cristal Grit.....	.65

(Prices are for 100-lb. bags, F. O. B. Cars, Chicago or New York. Cash with Order.)

Send for Catalog of all Darling Foods and Supplies. Also copy of booklet "Fill the Egg Basket," which is a complete guide to feeding for egg production. Both free. Address nearest office.

DARLING & COMPANY

Box 41, Union Stock Yards, Chicago

Box 41, Long Island City, New York